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PREFACE

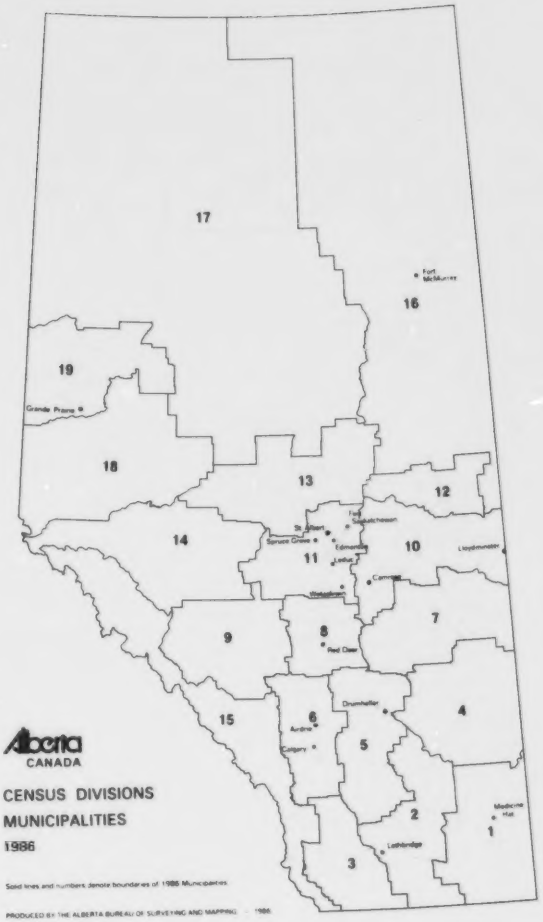
The Agriculture Statistics Yearbook for Alberta rovides 1988 statistics where available, with the most urrent statistics otherwise, thereby serving as a eference to those interested in agriculture in Alberta. lthough several graphs and short tables date back a few ears, long term data and tables for years prior to 1987 ay be obtained from the Statistics Branch. In addition, e remind users that the data in this publication is ubject to revision.

The Statistics Branch publishes and revises much of he data in this publication throughout the year. This ata is released on statistics fact sheets and this ormat may be more appropriate for those individuals ishing only selected pages of this publication. If this s the type of information you require please contact us t any time during the year.

Data was derived from several sources with major ontributions made by the Agriculture/Natural Resources ivision, Statistics Canada in cooperation with Alberta griculture. We also gratefully acknowledge the ooperation of Agriculture Canada and contributions of ther federal and provincial departments mentioned ithin Sources and Methods located at the back of this ublication.

Special appreciation is extended to all the agricultural producers and processors that responded to surveys or supplied other information to either Statistics Canada or Alberta Agriculture.

Evaluation of this publication and suggestions for improvements will be greatly appreciated and should be forwarded to Statistics Branch, Alberta Agriculture, Edmonton.



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1988 IN REVIEW

FARM CASH RECEIPTS

The Total Realized Net Income of Alberta farmers and ranchers for 1988 is estimated to have increased by 55 per cent over 1987 to $966 million, the highest level on record. Realized Net Income, which is income available after expenses to pay down principal on debt and for personal consumption, investment, savings and taxes increased in 1988 due to a healthy livestock sector, substantial government program payments, and increased prices. Payments under Western Grain Stabilization Act (WGSA), Crop Insurance, the Special Canadian Grains Program (SCGP) and other programs accounted for an estimated 15 per cent of Total Farm Cash Receipts in 1988. In addition, payments under the Alberta Farm Fertilizer Price Protection Plan, Crow Benefit Offset Program and other expense reduction programs reduced Total Operating Expenses by an estimated 7 per cent.

Total Farm Cash Receipts for 1988, estimated at $4,446 million, were 11 per cent higher than in 1987. Increased prices for cereal grains and oilseeds and greater returns from cattle contributed to the increase in Farm Cash Receipts. Also responsible for the increase was the $180 million paid out under the Western Grain Stabilization Act and a further $296 million paid out under the Special Canadian Grains Program.

Crop Receipts from marketings in 1988 were approximately $1,682 million or about 30 per cent above 1987 levels.

Total Livestock Receipts amounted to $2,147 million in 1988 or up over 12 per cent from 1987 levels. The market actually returned over eight per cent more in 1988 than in 1987 and in combination with higher deficiency and supplementary payments contributed to the sharp increase in livestock receipts. Total Operating Expenses rebounded to an estimated $2,835 million in 1988 which was a three per cent increase over the $2,744 million in 1987 and represents a turn around after three consecutive years of declining operating expenses. Increases in interest, rent, feed, feeder cattle purchases and repairs were largely responsible for the increase but were somewhat offset by decreases in wages, fuel expenses and pesticide expenses.

Wheat Alberta Wheat Receipts in 1988 increased $142 million to an estimated $692 million, up 24 per cent from 1987. The increase was primarily due to significant price increases in mid 1988 and relatively consistent deliveries after a year of drought. Calendar year 1988 deliveries of wheat were 5.3 million metric tonnes or 85 per cent of the 1987 level of 6.25 million tonnes. Despite the sizeable drop in deliveries, price increases had a more than offsetting impact and contributed to the significant increase in receipts. The Canadian Wheat Board initial payment for 1 CW Red Spring Wheat was increased to $150 per tonne basis Thunder Bay for the 1988-89 crop year from the previous years level of $110 per tonne. There was no final payment for Hard Red Spring Wheat made in 1988.

Barley Alberta Barley Receipts increased significantly in 1988 to $253 million from the 1987 level of $232 million. This 9 per cent increase in receipts was due to a substantial increase in price during the year in combination with only slightly lower deliveries. Deliveries of barley in 1988 were approximately 3 million metric tonnes, compared to the 3.43 million tonnes a year earlier. The low initial price of $60 per tonne basis in store Thunder Bay for the 1987-88 crop year was increased to $120 per tonne for the 1988-89 crop year which contributed significantly to the increase in receipts from the sales of barley. The Alberta Input Monitoring System (AIMS) reported that the monthly average feed barley price for 1988 was $80.40 per tonne compared to the average for 1987 of $61.55 per tonne. There was no final payment made for barley in 1988.

Canola Alberta canola receipts are estimated to have increased to $442 million in 1988, a 41 per cent increase over the 1987 level of $314 million. The increase was due to prices which were substantially higher than in 1987. As well an increase in deliveries contributed to a higher level of receipts from canola. Average producer prices for 1988 were estimated to be about $298 per tonne, up $89 per tonne from 1987.

Price increases in 1988 were a result of a decline in global oil supplies and fear of lower production levels resulting from adverse weather conditions in many of the world's oilseed producing regions.

Crop Insurance, W.G.S.A. Payments and Special Canadian Grains Program Payments Alberta farmers received $173 million in payouts under the Hail and Crop Insurance program in 1988. This was over 28 per cent above the 1987 payment of $135 million. Western Grain Stabilization Act payments are made to participating grain producers if net cash flow from grains in a particular year is below the preceding five year average. Under the program a total payment of $958 million was allocated to participating prairie farmers in 1988. This payment for the 1987-88 crop year was the second largest payment ever made under the program and was issued to 140,655 participating producers. An interim payment of $695 million was made in May of 1988 and the balance of $263 million was not made until January of 1989. For this reason only the interim amount will show up in the 1988 farm cash receipts and expenses statement. Of the $695 million interim payment, Alberta producers received $180 million. This is substantially lower than the payment of $368 million made in 1987 even if we include the final payment (another $68 million which Alberta producers received in January 1989). The Special Canadian Grains Program was paid out to Canadian producers in 1987 and 1988 to compensate for the hurt arising from the ''subsidy wars'' being waged by major global exporters. Of the $1.1 billion allotted to Canadian producers in 1988, Alberta farmers received $296 million. Payments under the three above mentioned programs accounted for $649 million or over 28 per cent of total crop receipts.

Cattle and Calves Provincial receipts from the sale of cattle and calves in 1988 amounted to over $1,395 million which represented almost a 15 per cent increase over the 1987 level. Total cattle slaughter declined nationally by about 4 per cent but increased provincially by almost 7 per cent to 1,227,000 head. Live cattle exports (excluding interprovincial movements) increased by almost 90 per cent to over 228,600 head in 1988. Like 1986 an 1987 these exports consisted largely of slaughter cattle exports to the U.S.A.. The Alberta A1,2 slaughter steer price averaged $80.50/cwt in 1988, which was about the same level as the previous year. 800-900 lb feeder steers averaged $92.01/cwt on the Edmonton market in 1988 while the previous year they averaged $94.90/cwt, or approximately a 3 per cent decline.

Low feed grain prices early in the year, adequate feed supplies and the influence of the provincial Crow Benefit Offset program were largely responsible for the continued strong demand for feeder cattle in 1988.

Tripartite Red Meat Stabilization made payments under both the slaughter and feed cattle programs in 1988. The slaughter cattle program has provided payments for the year totalling approximately $45 million, while the feeder cattle program, with a much smaller participation ratio, provided a payment of approximately $.4 million.

Hogs Total receipts from the sale of hogs are estimated to have decreased in 1988 by almost 13 per cent to $248 million. The decrease was attributable to dramatically lower prices despite increased slaughter numbers as the hogs production cycle appears to have peaked in 1988. Alberta producers delivered 2.27 million hogs for slaughter in 1988 which represents a 14 per cent increase over 1987 numbers. The lower price levels experienced

in 1988 more than offset the increased hog delivery numbers resulting in a decline in total hog receipts. Hog slaughter numbers steadily increased through 1987 and most of 1988 but near the end of 1988 deliveries began to taper off slightly indicating that the recovery phase of the hog cycle was under way. Alberta hog exports to the U.S.A. increased almost ten-fold to 418,000 head in 1988. The dramatic increase in export numbers came about as a result of strong demand from the U.S.A. and labor related problems within the domestic pork processing industry. The Tripartite Red Meat Stabilization program made payments to Alberta hog producers in 1988 totalling 12.8 million.

Dairy Receipts from the sale of milk and cream increased by over 7 per cent in 1988 to $257 million from $240 million in 1987. The increase in dairy receipts is attributable to price increases for fluid and industrial milk. Cream prices were also higher in 1988 although the volume of cream sales was lower than 1987.

In 1988, the average price paid to producers for fluid milk increased to $49.36/hl to 47.90/hl in 1987. This price increase resulted from the impact of the feed cost component on the milk pricing formula used by the Public Utilities Board.

OPERATING EXPENSES

Total Operating Expenses for 1988 increased to $2,835 million from the 1987 level of $2,744 million. Increases in farmland rental, interest payments, feed costs and feeder cattle purchases from outside of the province were largely responsible for the increase in operating expenses. The largest increase contributing to increased operating expenses was in the feed category and was due primilarly to increases in the price of feed grains. At and estimated $255 million, this category was over 30 per cent higher than the 1987 level. Offsetting the increase in operating expenses to some degree were declines in wages paid to farm labor, fuel and lubricant prices and pesticide usage.

Interest Payments Interest expenses in 1988 were estimated to be $430 million or up 3 per cent from the 1987 level of $419 million. Producer participation in government programs to reduce interest expenses helped keep this category from rising more dramatically in 1988. Chartered bank prime rates averaged approximately 10.8 per cent in 1988, compared to the 1987 level of 9.5 per cent. Farm debt outstanding at the end of 1988 is estimated to have dropped slightly to approximately $5.25 billion compared to $5.41 billion at the end of 1987. The increase in interest payments can almost wholly be attributed to higher interest rates, especially on short term debt.

Machinery Expenses Total machinery expenses including machinery repairs, fuel and lubricant expenses declined by almost 5 per cent in 1988 to $469 million but remains the largest single expense category. The decrease came about as a result of steady fuel prices and lower levels of usage. The repairs portion of this category increased marginally in 1988. The marginal increase in diesel fuel prices reported by the Alberta Input Monitoring System (AIMS) was more than offset by decreased purchases in 1988. Alberta producers indirectly benefitted from the Alberta Farm Fuel Distribution Allowance which paid out $88 million to fuel distributors in 1988 in order to keep the price of marked fuels at a lower level for farm production. The amount of benefit to farmers during 1988 was 9 cents per litre on marked fuels.

Machinery repair expenses amounted to $298 million in 1988 compared to $294 million the previous year.

Fertilizer Expenses After three years of steady declines, fertilizer sales levelled off in 1988. Total fertilizer expenses were estimated at $249 million or about the same as the 1987 level. The Agricultural Input Monitoring System reported that 1988 prices for Anhydrous Ammonia averaged approximately $378/tonne com-

pared to an average 1987 price of $412, or an 8 per cent decline in price. The Alberta Farm Fertilizer Price Protection Plan reduced fertilizer expenses for Alberta producers by approximately $16.1 million in 1988 compared to $16.4 million in 1987.

Feed Expenses Feed expenses as reported in the farm expense series pertain only to feed purchased through commercial channels. Inter-farm sales of feed are not included in the provincial feed expense estimate because the expense and receipt incurred by each party are viewed as offsetting transactions. Grains and forages grown on farms for feed purposes are also not included because the cost of inputs used in their production is captured under crop expenses. Feed expenses in 1988 increased by over 30 per cent to $255 million largely because of increased usage and increased livestock numbers. AIMS reports that feed barley prices increased by over 30 per cent in 1988 from previous year levels. Prices for feed supplements increased by approximately 5 per cent in 1988 over 1987 levels.

The higher price for feed barley was offset somewhat by benefits received under the Crow Benefit Offset Program (CBOP) which resulted in continued low levels for total feed expenses. The CBOP reduced feed expenses by an estimated $47 million in 1988 compared to a figure of $71.5 million in 1987.

Other Livestock Expenses This category increased to $291 million in 1988. This represents an 8 per cent increase over the 1987 level and is almost entirely due to increases in the number of feeder cattle entering the province. In 1988, 208,000 head of feeder cattle were brought into the province from Saskatchewan compared to the previous year's level of 182,000 head. Feeder cattle imports from British Columbia in 1988 also remained at healthy levels.

Assistance Programs The Alberta Government continues to provide agricultural assistance programs as needed. The scope of the programs offered in 1988 was broad and provided for financial assistance for agricultural research, debt refinancing, new loans, disaster assistance, farm operating expense reduction and expansion of the food and agricultural processing sector. Research funding was also provided under the Farming for the Future Research Program. Numerous programs such as the Alberta Crow Benefit Offset Program, Beekeepers Assistance and the Wildlife Damage Fund provided $50 million in payments to Alberta producers.

There was continued emphasis on expense reduction programs in 1988 through such programs as the Farm Fertilizer Price Protection Plan which provided $16.1 million in payments, the Alberta Farm Fuel Distribution Allowance which reduced fuel expenses by $87 million and the Alberta Farm Credit Stability program which provided shielding from interest rate increases and amounted to over $32 million in 1988.

In total, provincial programs provided direct net benefits of over $220 million to Alberta producers in 1988.

Table 1
PRODUCTION AND GROSS FARM VALUE OF AGRICULTURAL PRODUCTS

	Production		Value Per Unit**		Total Value	
	1987r	1988p	1987r	1988p	1987r	1988p
	- tonnes -		- dollars -		- dollars -	
Field Crops:						
Wheat	5 796 000	5 285 000	111.70	165.15	647,400,000	872,800,000
Oats for grain	1 249 000	1 650 000	90.13	139.41	112,600,000	230,000,000
Barley for grain	6 587 000	5 813 000	67.98	109.31	447,800,000	635,400,000
Rye	152 400	70 800	83.85	114.17	12,800,000	8,100,000
Mixed grains	163 000	204 000	82.32	128.44	13,400,000	26,200,000
Flaxseed	33 000	27 900	212.19	375.18	7,000,000	10,500,000
Canola/Rapeseed	1 634 000	1 882 000	257.06	313.05	420,000,000	589,200,000
Mustard seed	24 500	20 400*	209.44	352.74	5,100,000	7,200,000
Potatoes	299 000	278 500*	160.94	162.92	48,100,000	45,400,000
Sugar beets	564 800	540 400	33.64	37.48	19,000,000	20,300,000
Tame hay	8 165 000	9 072 000	66.98	74.60	546,900,000	676,800,000
Other crops					88,400,000	120,600,000
Total Field Crops					2,368,500,000	3,242,500,000
Livestock and Livestock Products:						
Cattle and Calves					1,274,000,000	1,451,000,000
Hogs					284,000,000	230,000,000
Sheep and Lambs					7,000,000	7,100,000
Total Livestock					1,565,000,000	1,688,100,000
Dairy					242,000,000	250,000,000
Poultry and Eggs					138,000,000	149,000,000
Honey					13,000,000	14,000,000
Other Livestock and Products					15,000,000	16,000,000
Total Livestock and Products					1,973,000,000	2,117,100,000

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* Source: Alberta Agriculture Specialty Crop Survey
** Source: Alberta Agriculture average farm value estimates.

Table 2
CASH RECEIPTS FROM THE SALE OF FARM PRODUCTS

	1987		1988p	
	$ 000	% of Total	$ 000	% of Total
Wheat	560,000	14.0	692,000	15.6
Oats	19,000	0.5	65,000	1.4
Barley	232,000	5.8	253,000	5.7
Western Grain Stabilization	368,000	9.2	180,000	4.0
Special Canadian Grains Program	252,000	6.3	296,000	6.7
Crop Insurance Payments, etc.	135,000	3.4	173,000	3.9
C.W.B. Net Cash Advance & Deferments	-3,000	-0.1	-58,000	-1.3
Rye	5,000	0.1	8,000	0.2
Flaxseed	6,000	0.2	8,000	0.2
Canola/Rapeseed	314,000	7.8	442,000	10.0
Sugar Beets*	21,000	0.5	25,000	0.6
Potatoes	35,000	0.9	40,000	0.9
Vegetables	30,000	0.8	31,000	0.7
Floriculture and Nursery	26,000	0.6	28,000	0.6
Other Crops	60,000	1.5	98,000	2.2
Deficiency & Supplementary Payments	23,000	0.6	15,000	0.3
Total Crops	**2,083,000**	**52.0**	**2,296,000**	**51.6**
Cattle and Calves	1,218,000	30.4	1,395,000	31.4
Hogs	284,000	7.1	248,000	5.6
Sheep and Lambs	7,000	0.2	6,000	0.1
Milk and Cream*	240,000	6.0	257,000	5.8
Poultry and Eggs	136,000	3.4	134,000	3.0
Other Livestock	40,000	1.0	40,000	0.9
Deficiency & Supplementary Payments	n/a	n/a	67,000	1.6
Total Livestock and Products	**1,925,000**	**48.0**	**2,147,000**	**48.3**
Other Cash Receipts	3,000	0.1	3,000	0.1
Total Cash Receipts	**4,011,000**	**100.0**	**4,446,000**	**100.0**

p preliminary
Note: Interim and final payments received through the Canadian Wheat Board (wheat, oats and barley) are included in the calendar year in which payments were received by farmers.
* Sugar Beet Deficiency and Dairy Supplementary Payments are included in the commodity receipts.

SOURCE OF FARM INCOME

(Per Cent)

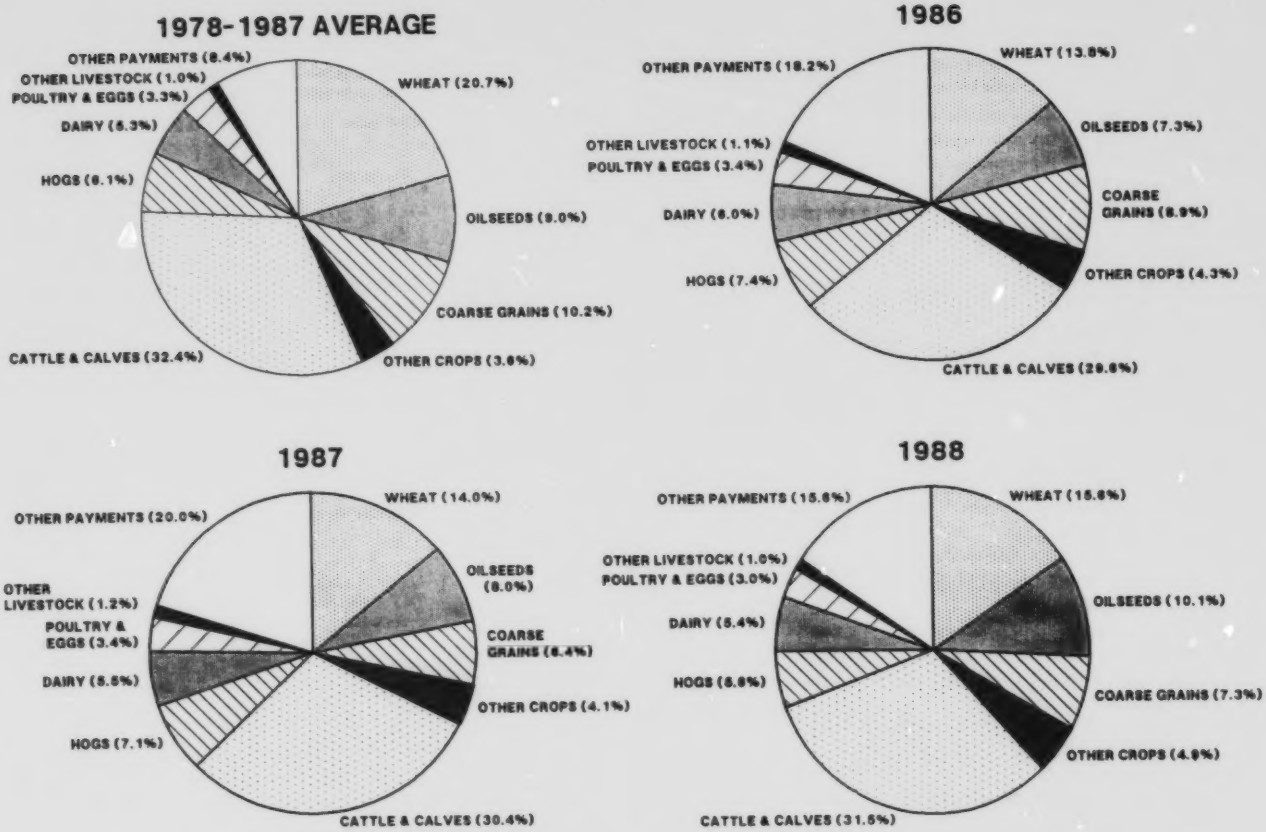


Table 3
CASH RECEIPTS FROM THE SALE OF FARM PRODUCTS BY MAJOR PRODUCT OR PRODUCT GROUP

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
WHEAT ($ millions)	447	656	1151	957	1001	1003	699	517	560	692
% of crop receipts	36.1	44.8	55.3	48.8	49.0	47.6	35.6	28.7	26.9	30.1
% of total receipts	15.7	20.9	29.9	25.1	26.7	25.4	18.2	13.8	14.0	15.6
OTHER CEREALS ($ millions)	270	369	519	505	464	342	293	340	256	326
% of crop receipts	21.8	25.2	24.9	25.8	22.7	16.2	14.9	18.9	12.3	14.2
% of total receipts	9.5	11.7	13.5	13.3	12.4	8.6	7.6	9.1	6.4	7.3
OILSEEDS ($ millions)	347	334	295	260	347	407	350	274	320	450
% of crop receipts	28.0	22.8	14.2	13.3	17.0	19.3	17.8	15.2	15.4	19.6
% of total receipts	12.2	10.6	7.7	6.8	9.2	10.3	9.1	7.3	8.0	10.1
OTHER INCOME/CROPS ($ millions)	87	71	85	147	121	99	201	191	169	164
% of crop receipts	7.0	4.8	4.1	7.5	5.9	4.7	10.2	10.6	8.1	7.1
% of total receipts	3.1	2.3	2.2	3.9	3.2	2.5	5.2	5.1	4.2	3.7
CROP PROGRAM PAYMENTS ($ millions)	88	35	31	92	110	257	423	479	778	664
% of crop receipts	7.1	2.4	1.5	4.7	5.4	12.2	21.5	26.6	37.3	28.9
% of total receipts	3.1	1.1	0.8	2.4	2.9	6.5	11.0	12.8	19.4	14.9
TOTAL CROP RECEIPTS ($ millions)	1239	1465	2081	1961	2043	2108	1966	1801	2083	2296
% of total receipts	43.6	46.6	54.1	51.5	54.5	53.3	51.2	48.0	52.0	51.7
CATTLE ($ millions)	1179	1200	1180	1106	1125	1163	1181	1112	1218	1395
% of livestock receipts	73.5	71.5	66.7	59.8	65.8	62.9	63.1	57.1	63.3	65.0
% of total receipts	41.5	38.2	30.6	29.0	30.0	29.4	30.8	29.7	30.4	31.4
HOGS ($ millions)	162	166	190	222	202	255	248	278	284	248
% of livestock receipts	10.1	9.9	10.7	12.0	11.8	13.8	13.2	14.3	14.8	11.6
% of total receipts	5.7	5.3	4.9	5.8	5.4	6.4	6.5	7.4	7.1	5.6
DAIRY, POULTRY, EGGS ($ millions)	216	249	295	317	316	355	345	351	357	372
% of livestock receipts	13.5	14.8	16.7	17.2	18.5	19.2	18.4	18.0	18.5	17.3
% of total receipts	7.6	7.9	7.7	8.3	8.4	9.0	9.0	9.4	8.9	8.4
OTHER LIVESTOCK ($ millions)	30	31	36	34	35	35	36	42	47	46
% of livestock receipts	1.9	1.8	2.0	1.8	2.0	1.9	1.9	2.2	2.4	2.1
% of total receipts	1.1	1.0	0.9	0.9	0.9	0.9	0.9	1.1	1.2	1.0
LIVESTOCK PROGRAM PAYMENTS ($ mil.)	18	33	68	169	31	40	62	166	19	86
% of livestock receipts	1.1	2.0	3.8	9.1	1.8	2.2	3.3	8.5	1.0	4.0
% of total receipts	0.6	1.0	1.8	4.4	0.8	1.0	1.6	4.4	0.5	1.9
TOTAL LIVESTOCK RECEIPTS ($ mil.)	1605	1679	1769	1848	1709	1848	1872	1949	1925	2147
% of total receipts	56.4	53.4	45.9	48.5	45.5	46.7	48.8	52.0	48.0	48.3
TOTAL RECEIPTS ($ millions)	2844	3144	3850	3809	3752	3956	3838	3750	4008	4443

Table 4
NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	1987r	1988p	% Change
	- thousand dollars -		
1. Total Cash Receipts.	4,011,000	4,446,000	+ 10.8
2. Income in Kind	22,000	22,000	0.0
3. Realized Gross Income (1+2).	4,033,000	4,468,000	+ 10.8
4. Operating and Depreciation Charges . .	3,407,000	3,500,000	+ 2.7
5. Realized Net Income (3-4).	626,000	968,000	+ 54.6
6. Value of Inventory Changes	-22,000	29,000	-
7. Total Gross Income (3+6)	4,011,000	4,497,000	+ 12.1
8. Total Net Income (7-4)	604,000	997,000	+ 65.0

p preliminary

r Revised

Table 5
INCOME IN KIND

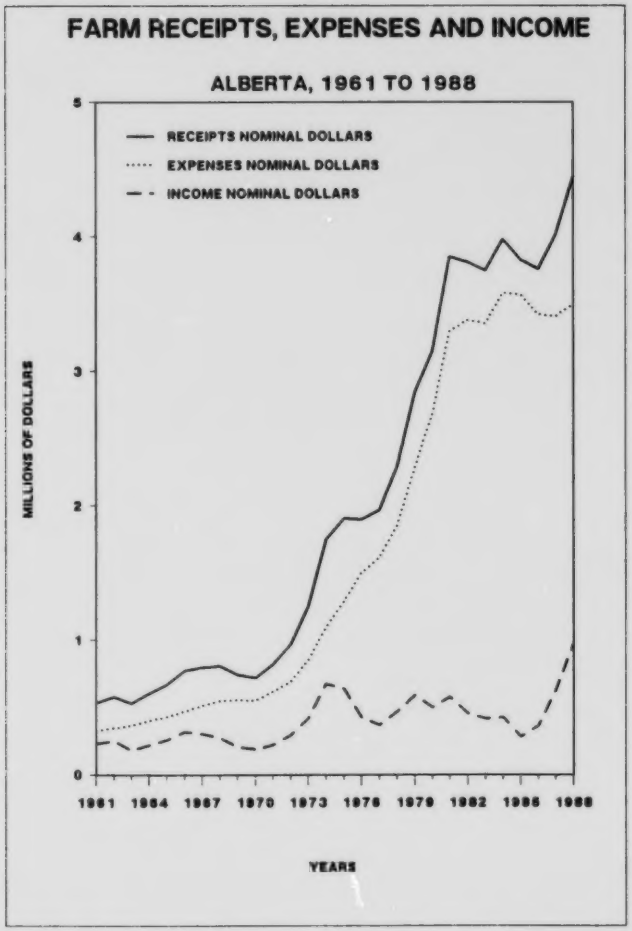
	1987	1988p	% Change
	- thousand dollars -		
Dairy Products.	858	621	- 27.6
Poultry and Eggs.	2,718	2,740	+ 0.8
Meat.	11,455	11,316	- 1.2
Fruit and Vegetables.	53	51	- 3.8
Honey and Maple Products.	3	2	- 33.3
Forest Products	6,796	7,068	+ 4.0
Wool.	10	14	+ 40.0
Total	21,893	21,812	- 0.4

p preliminary

Table 6
NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	1	2	3	4	5	6	7	8
	Total Cash Receipts	Income In Kind	(1+2) Realized Gross Income	Op. & Deprec. Charges	(3-4) Realized Net Income	Value of Inventory Changes	(3+6) Total Gross Income	(7-4) Total Net Income
				- thousand dollars -				
1961	534,000	19,000	553,000	323,000	230,000	-40,000	513,000	190,000
1962	575,000	19,000	594,000	345,000	249,000	21,000	615,000	270,000
1963	529,000	19,000	548,000	369,000	179,000	103,000	651,000	282,000
1964	602,000	18,000	620,000	400,000	220,000	8,000	628,000	228,000
1965	669,000	19,000	688,000	430,000	258,000	28,000	716,000	286,000
1966	769,000	18,000	787,000	470,000	317,000	36,000	823,000	353,000
1967	796,000	17,000	813,000	510,000	303,000	-42,000	771,000	261,000
1968	805,000	17,000	822,000	549,000	273,000	62,000	884,000	335,000
1969	740,000	18,000	758,000	552,000	206,000	45,000	803,000	251,000
1970	720,000	17,000	737,000	550,000	187,000	32,000	769,000	219,000
1971r	814,000	16,000	830,000	611,000	219,000	17,000	847,000	236,000
1972r	965,000	17,000	982,000	690,000	292,000	26,000	1,008,000	318,000
1973r	1,244,000	21,000	1,265,000	849,000	416,000	204,000	1,469,000	620,000
1974r	1,748,000	18,000	1,766,000	1,095,000	671,000	-12,000	1,754,000	659,000
1975r	1,902,000	17,000	1,919,000	1,287,000	632,000	99,000	2,018,000	731,000
1976r	1,897,000	21,000	1,918,000	1,495,000	423,000	82,000	2,000,000	505,000
1977r	1,963,000	20,000	1,983,000	1,615,000	368,000	-74,000	1,909,000	294,000
1978r	2,289,000	24,000	2,313,000	1,846,000	467,000	100,000	2,413,000	567,000
1979r	2,843,000	28,000	2,871,000	2,283,000	588,000	74,000	2,945,000	662,000
1980r	3,144,000	30,000	3,174,000	2,677,000	497,000	152,000	3,326,000	649,000
1981r	3,850,000	23,000	3,873,000	3,301,000	572,000	68,000	3,941,000	640,000
1982r	3,812,000	21,000	3,833,000	3,380,000	453,000	-85,000	3,748,000	368,000
1983r	3,751,000	20,000	3,771,000	3,358,000	413,000	-212,000	3,559,000	201,000
1984r	3,984,000	20,000	4,004,000	3,581,000	423,000	-351,000	3,653,000	72,000
1985r	3,830,000	19,000	3,849,000	3,571,000	278,000	-91,000	3,758,000	187,000
1986r	3,761,000	19,000	3,780,000	3,421,000	359,000	474,000	4,254,000	833,000
1987r	4,011,000	22,000	4,033,000	3,407,000	626,000	-22,000	4,011,000	604,000
1988p	4,446,000	22,000	4,468,000	3,500,000	968,000	29,000	4,497,000	997,000

p preliminary
r Revised


FARM RECEIPTS, EXPENSES AND INCOME
ALBERTA, 1961 TO 1988
RECEIPTS NOMINAL DOLLARS
EXPENSES NOMINAL DOLLARS
INCOME NOMINAL DOLLARS
MILLIONS OF DOLLARS
0
1
2
3
4
5
1961 1964 1967 1970 1973 1976 1979 1982 1985 1988
YEARS

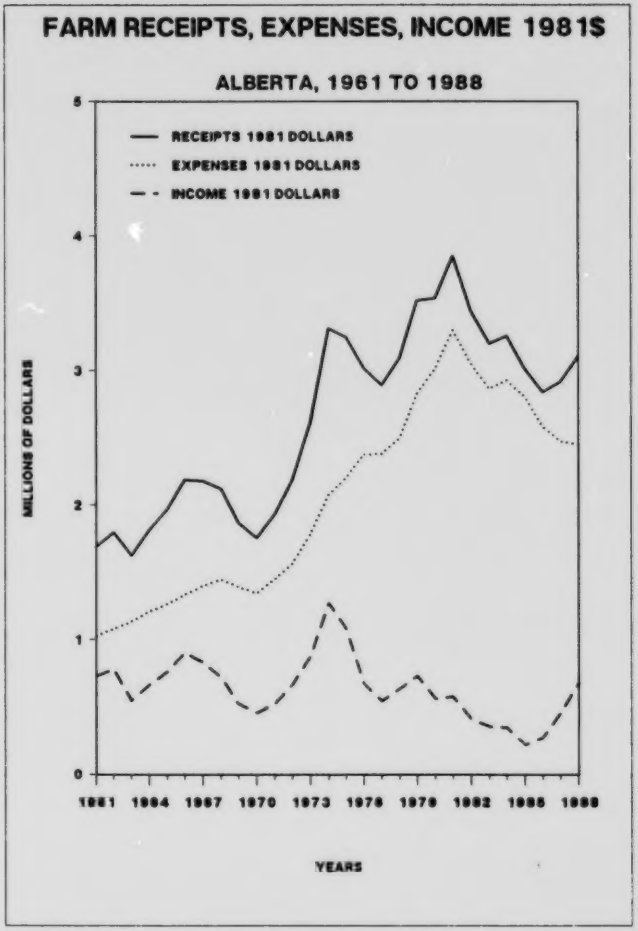

FARM RECEIPTS, EXPENSES, INCOME 1981$
ALBERTA, 1961 TO 1988
RECEIPTS 1981 DOLLARS
EXPENSES 1981 DOLLARS
INCOME 1981 DOLLARS
MILLIONS OF DOLLARS
0
1
2
3
4
5
1961 1964 1967 1970 1973 1976 1979 1982 1985 1988
YEARS

Table 7
FARM OPERATING EXPENSES AND DEPRECIATION CHARGES

	1987r	1988p	% change
Taxes	71,000	74,000	+ 4.2
Gross Farm Rent	141,000	158,000	+ 12.1
Wages	290,000	280,000	- 3.4
Interest	419,000	430,000	+ 2.6
Fuel and Lubricants*	198,000	171,000	- 13.6
Machinery Repairs and Expenses	294,000	298,000	+ 1.4
Fertilizer and Lime*	249,000	249,000	0.0
Other Crop Expenses	282,000	276,000	- 2.1
Feed	194,000	255,000	+ 31.4
Other Livestock Expenses	270,000	291,000	+ 7.8
Repairs to Buildings	92,000	95,000	+ 3.3
Electricity and Telephone	71,000	73,000	+ 2.8
Miscellaneous	170,000	183,000	+ 7.6
Total Operating Expenses	2,741,000	2,833,000	+ 3.4
Depreciation of Buildings and Machinery	666,000	667,000	+ 0.2
Total Expenses	3,407,000	3,500,000	+ 2.7

p preliminary
r Revised
* Provincial and Federal payments and subsidies have been deducted from commodity expenses.

Table 8
AVERAGE FARM INPUT PRICES

	January-March	April-June	July-September	October-December	1988 Average
Lumber 2 x 6 spruce, M	393.74	384.34	389.65	384.28	388.00
Sheathing, ply., fir, 3/8", 4 x 8 sht.	12.46	12.21	11.84	12.07	12.14
Cement, 40 kg	8.72	8.73	8.67	8.56	8.67
Barn paint, oil base, gal	22.70	23.02	23.16	23.51	23.10
Pipe, plastic, 3/4", 75 psi., 100' coil	21.95	22.66	23.99	24.20	23.20
Rods, re-enforcing 1/2", 6 metres	3.91	3.89	3.90	3.91	3.90
Barbed wire, 12 gauge, double strand	43.32	42.15	42.43	42.96	42.71

Table 8 (cont`d)
AVERAGE FARM INPUT PRICES

	January-March	April-June	July-September	October-December	1988 Average
Truck tires, 1st line, P235-75R-15, ea	103.11	102.79	105.03	106.56	104.37
Battery, 12 volt, 525 cranking amps, 24 series	74.62	75.81	74.95	76.47	75.46
V-belt, 1/2" x 70", ea	9.64	9.66	9.96	9.97	9.81
Antifreeze, 4 litres	6.98	7.11	8.68	10.75	8.38
Mechanical repairs, per hour	33.71	34.01	34.50	34.76	34.25
Baler twine - sisal 9000'	25.56	25.43	25.49	25.33	25.45
Farm labour, per month, without board	1,097.14	1,130.44	1,130.22	1,144.66	1,125.62
Tractor, 100 hp/up	57,972.22	58,849.49	57,720.96	58,662.70	58,301.34
Tractor, 170 hp/up	102,484.69	103,271.62	104,141.83	104,701.42	103,649.89
Combine, self-propelled	118,334.71	118,673.82	118,966.52	118,514.54	118,622.40
Chisel plow, 23-27'	13,844.13	14,022.70	14,065.74	14,110.54	14,010.78
Round baler, pull type	20,058.19	19,896.86	19,891.60	19,893.30	19,934.99
Double disc, heavy duty, 19-21'	18,393.96	18,142.61	17,745.96	17,758.31	18,010.21
Truck, 1/2 t., Ford/Chev	13,428.57	13,553.58	13,569.30	14,035.79	13,646.81
Calf starter supplement, (20-24%), 25 kg	8.15	8.16	8.66	8.78	8.44
Dairy supplement, (32%), 25 kg	8.98	9.15	9.43	9.58	9.28
Hog supplement, (40%), 25 kg	12.13	12.30	13.42	13.42	12.82
Broiler grower complete feed, (18-20%), 25 kg.	7.71	7.93	8.89	9.13	8.42
Cattle mineral, 25 kg.	16.65	16.75	16.98	17.07	16.86
Feed barley, no. 1, (farm gate), bu	1.14	1.37	2.17	2.34	1.75
Hay, good quality, baled, ton.	58.63	59.32	68.13	67.20	63.32
Fertilizer, 46-0-0, tonne, bulk.	220.97	240.07	243.07	239.32	235.86
Fertilizer, 11-51-0, tonne, bulk	338.53	357.28	360.00	361.70	354.38
Fertilizer, 82-0-0, tonne, bulk (appl. inc.)	369.71	382.56	383.88	376.41	378.14
2-4D low volatile, 20 litres	64.43	69.32	71.06	70.76	68.89
Avadex BW, liquid, 5 gal	177.37	177.24	177.16	177.54	177.33
Trifluralin, Treflan, 17 litre case.	165.57	166.19	165.75	165.49	165.75
Penicillin, injectable, 100 cc	5.29	5.15	5.38	5.29	5.28
Vitamin A D E, injectable, 100 cc.	5.05	5.07	5.09	5.11	5.08
Seed, wheat, 100 kg, bulk.	18.38	16.71	16.98	21.69	18.44
Seed, barley, 100 kg, bulk	17.15	15.11	15.12	19.11	16.62
Purple gasoline, 100 litres.	27.30	27.05	25.94	25.84	26.53
Diesel fuel, 100 litres.	25.11	23.81	22.53	22.32	23.44
Propane, bulk, 100 litres.	17.96	17.55	17.19	16.93	17.41
Natural gas, GJ.	2.79	2.77	2.74	2.75	2.77
Diesel engine oil, 5 litres.	8.42	8.44	8.55	8.71	8.53

Table 9
FARM CAPITAL AND FARM DEBT

	Land and Buildings	Livestock and Poultry	Implements and Machinery	Total	Farm Debt
			- thousand dollars -		
1967	3,206,599	604,245	843,354	4,654,198	n/a
1968	3,479,502	579,155	901,989	4,960,646	n/a
1969	3,409,912	746,291	934,211	5,090,414	n/a
1970	3,240,849	797,276	956,970	4,995,095	n/a
1971	3,530,252	803,855	867,446	5,201,553	932,598
1972	4,143,591	1,016,172	905,851	6,065,614	1,038,553
1973	5,181,261	1,380,491	986,590	7,548,342	1,289,081
1974	6,975,770	1,366,308	1,275,851	9,617,929	1,537,218
1975	8,957,880	1,024,330	1,726,808	11,709,018	1,764,402
1976	10,627,528	1,125,454	2,110,053	13,863,035	2,029,718
1977	12,523,091	1,099,894	2,430,618	16,053,603	2,233,468
1978	14,942,972	1,710,604	2,791,088	19,444,664	2,603,073
1979	21,172,490	2,478,357	3,297,240	26,948,087	3,060,789
1980	27,137,589	2,551,751	3,842,797	33,532,137	3,428,780
1981	29,961,159	2,531,865	4,362,215	36,855,239	4,063,427
1982	30,260,771	2,524,214	4,555,805	37,340,790	4,554,468
1983r	28,445,125	2,497,341	4,602,848	35,545,314	5,001,649
1984r	26,453,966	2,496,338	4,495,647	33,445,951	5,155,482
1985r	24,866,728	2,178,420	4,464,253	31,509,401	5,306,323
1986r	22,773,520	2,430,112	5,382,302	28,585,934	5,454,898
1987r	19,734,844	2,763,361	5,186,163	27,664,368	5,409,655
1988p	19,302,672	2,862,266	5,408,932	27,573,870	n/a

r - Revised

p - preliminary

n/a - not available

FIELD CROPS

1988 production of the six major grains is over 14.7 million metric tonnes, which is above the five year average of 14.28 million metric tonnes, but down from the last two record crops of over 15.45 million metric tonnes in 1987 and 17.69 million metric tonnes in 1986. The area seeded to the six major grains in 1988/89 was 17,560,000 acres, down slightly from the 17,950,000 acres seeded in 1987/88. While the area in grains dropped, the area in hay production increased by 6 per cent to 4,650,000 acres. Summerfallow increased by 2 per cent to 5,350 acres. Over 300,000 acres of special crops were grown.

CONDITIONS PRIOR TO THE 1988 GROWING SEASON

Though a wet August in 1987 prevented much harvest from taking place, dry conditions returned in September and October, allowing farmers to complete combining.

The mild fall and very late arrival of snow allowed field work to be completed. However, precipitation levels remained below normal while temperatures remained above normal throughout the winter, creating dry soil surfaces. This delayed seeding and caused serious wind erosion problems in some areas.

There was minimal spring runoff as mountain snowpack was below normal. As a result there were shortages of stock water and soil moisture deficiencies for forage and crop production in the spring. Slough and dugout levels were extremely slow. Water flow from deep wells, and some shallow wells, was reduced.

CROP CONDITIONS DURING THE 1987 GROWING SEASON

In the spring of 1988 the lack of rain and/or snow over the winter caused concern about soil moisture conditions in most areas of the province except the northern portion of the Peace River Region. The season began with low levels of both surface and subsurface moisture reported in most districts. The dry surface conditions delayed seeding and caused serious wind erosion in areas. Low slough and dugout levels caused shortages of water for livestock and surplus hay supplies disappeared as lack of pastures forced cattle producers to purchase feed. The dry conditions led to poor pasture conditions throughout much of the province. Irrigation producers applied water prior to seeding.

Field work began in mid-April, but seeding was delayed in anticipation of rain, particularly for barley and canola. Many canola producers switched varieties as a result of the late seeding. By May sixth, only 16 per cent of seeding was complete in comparison to 37 per cent at that time in 1987. Seeding was not complete until nearly one month later.

Rain received in early June was beneficial to the north and western parts of the province, but southern regions had less than one-half the normal rainfall by this date. This continued to be the pattern throughout the season. As a result, spring seeded crops germinated unevenly making weed control difficult. In northern areas, weed infestations of wild oats and Canada Thistle were reported.

Moisture conditions continued to improve in the northern Foothills and Central regions in July, but by the end of the month the return of hot dry weather deteriorated the crops in the South and South Central Regions. Rain at the end of the month was too late for early seeded crops, but benefitted late seeded crops. Yield expectations were extremely variable depending on moisture availability.

Swathing of spring cereals began in early August while harvest of fall crops was nearly complete by mid-August. Harvest was ahead of the seven year average for

the entire fall due to favorable harvest weather. Cool, wet weather delayed combining in late August in most districts, but favorable weather returned by September to allow harvest to progress rapidly.

By early September, 70 per cent of swathing and 40 per cent of combining was complete. The dry weather resulted in high grain grades. The August rain was minimal and did not cause bleaching or sprouting problems. Late frosts allowed most late seeded crops to ripen. In drier areas, crops were salvaged for feed rather than combined.

Combining was about 60 per cent complete, when two weeks of showers delayed further progress, particularly in the western portion of the South Central and North Central Regions. Lodging, uneven germination, second growth and in-swath sprouting became minor problems. Canola had higher dockage than normal due to green seeds and small kernels. Harvest was completed by mid-October, ahead of a five year average of 85 per cent complete by this date.

Though the rain delayed harvest, it initiated field work and encouraged the farmers who had postponed planting winter crops to seed. The area seeded to fall rye increased from 160,000 to 190,000 acres while the area seeded to winter wheat decreased from 410,000 to 350,000 acres.

INSECTS AND DISEASES

Insects and disease problems were not of great concern over the year. Tent caterpillars were a minor concern in the North West and North East Regions. There was some damage to canola by flea beetles at Sangudo. A Black fly outbreak at Wandering River resulted in weight loss to some cattle.

By the latter part of the growing season aphids were in abundance in many areas. In the Southern Region, Russian Wheat Aphids spread through the Warner and Lethbridge areas as the winter wheat came up. However, less than 10 per cent of fields were infected. Greenfeed crops planted in late July or August were the most severely affected. Some spraying was done for control. On the whole, losses due to damage were minimal. Other pest problems in the south included wheat mites and stink bugs found in isolated areas.

Disease did not have a great impact on yields this year. Dry conditions in the south prevented wide spread infection. The reports of leaf diseases on cereals were limited though several cereal viruses were detected. The North East Region had some problems with Blackleg in canola. Sclerotinia was not a problem since the earlier part of the season was dry.

HAIL AND WEATHER DAMAGE

The Alberta Hail and Crop Insurance Corporation has reported that farmers insured approximately 12 million acres. Indemnities paid out for 1988 were $135.8 million. Crop indemnities amounted to 45 per cent of the payout while hail accounted for 14 per cent. The Forage program paid out 32 per cent of all indemnities.

IRRIGATION

The irrigation of field crops is a vital aspect of agriculture in Alberta and contributes to the stability of the southern Alberta economy. In 1988, the 13 Irrigation Districts had close to 1.17 million acres assessed as irrigable with 1.05 million acres actually being irrigated. This accounts for almost two-thirds of the irrigated land base in Canada. Cereal grains continue to be the most prominent crops grown under irrigation, representing 44 per cent of the irrigated acreage. Hay area followed with 25 per cent, and oilseeds and other speciality crops were a further 10 and 6 per cent, respectively.

All of Alberta's sugar beet crop and the majority of provincial commercial vegetables and potatoes are grown under irrigation.

Table 10
IRRIGATION BY DISTRICT, 1988

District	Assessed Irrigable Acres*	Acres Actually Irrigated
Aetna	3,435	2,500
Bow River	192,424	173,400
Eastern	252,432	241,496
Leavitt	4,709	3,900
Lethbridge Northern	121,635	124,556
Magrath	15,030	13,436
Mountain View	3,690	3,100
Raymond	44,196	36,496
Ross Creek	1,210	500
St. Mary's River	339,091	316,223
Taber	73,602	69,581
United	34,615	14,536
Western	86,198	52,950
Total	1,172,267	1,052,674

* Permanent and Terminable

Table 11
CROP ACRES IN THE MAJOR IRRIGATION DISTRICTS

	1985	1986	1987	1988
		- acres -		
Total Grains(1)	553,077	547,437	493,390	464,191
Total Oilseeds(2)	58,154	50,568	61,131	100,960
Total Hay(3)	193,406	235,246	251,494	258,438
Total Tame Pasture	53,650	50,759	62,794	65,748
Total Other Fodder(4)	34,701	36,208	37,275	41,094
Total Sugar Beets	11	28,400	29,382	29,456
Total Potatoes	17,517	16,684	17,692	16,316
Total Other Specialty Crops(5)	55,272	51,858	67,021	66,325
Total Crops Irrigated	965,788	1,017,160	1,020,179	1,042,528
Total Summerfallow	8,125	8,102	10,899	10,146
Total Irrigated Cropland	973,913	1,025,262	1,031,078	1,052,674

1 Wheat, oats, barley, mixed grain and rye.

2 Flaxseed, canola/rapeseed, sunflowers and mustard.

3 Alfalfa hay and sweet clover hay.

4 Greenfeed, silage corn, silage and grass hay.

5 Peas, corn, beans, timothy, brome grass, alfalfa seed, sweet clover seed, small seeds and miscellaneous crops.

Table 12
PRECIPITATION RECORDED
AT SELECTED ALBERTA STATIONS

Stations	April 1 - October 31 Incl. 1987	1988	1988/Normal
	- millimeters -		%
Medicine Hat	213.9	176.1	69
Brooks	253.8	177.9	72
Lethbridge	306.1	168.9	53
Pincher Creek	347.5	192.5	49
Calgary	317.3	364.4	105
Coronation	305.7	339.0	116
Red Deer	333.3	445.8	118
Rocky Mtn House	379.5	432.6	98
Lloydminster	350.7	447.5	125
Vegreville	276.3	353.8	107
Edmonton	428.7	464.9	128
Whitecourt	404.4	478.3	112
Cold Lake	348.8	414.6	116
Fort McMurray	274.5	405.2	113
Grande Prairie	282.6	321.6	102
Peace River	294.5	384.5	139
High Level	374.1	329.7	108

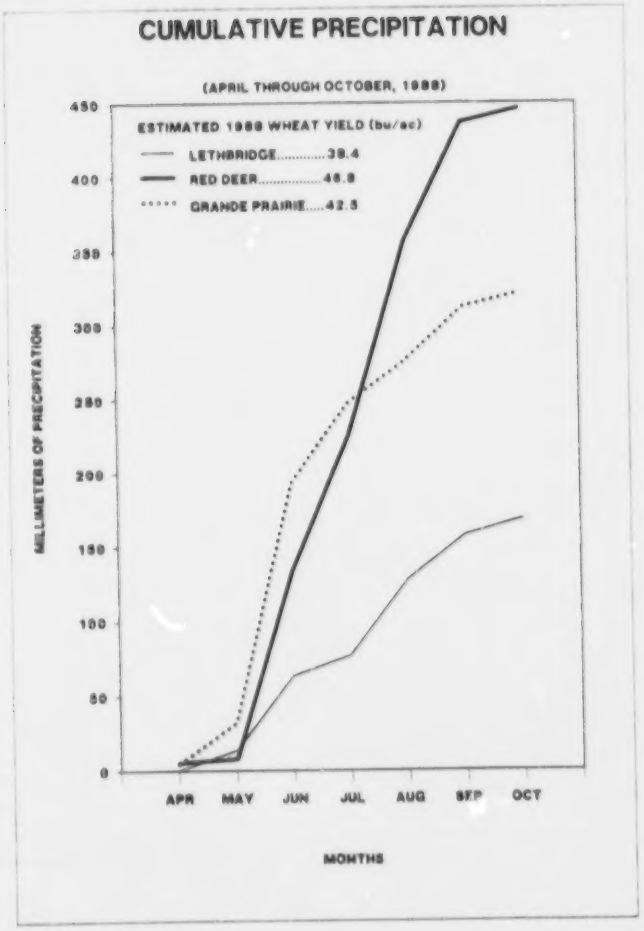


Table 13
HAIL AND CROP INSURANCE

	No. of Farmers Insured(1)	Acres Insured '000	Premium(2) $'000	Liability $'000	Indemnities $'000
1969	16,201	3,561	4,080	57,105	6,298
1970	12,856	2,306	2,730	31,941	1,699
1971	11,323	2,429	2,900	33,310	2,410
1972	10,202	2,314	2,784	37,073	2,119
1973	12,296	3,201	7,883	73,399	6,436
1974	13,883	3,838	14,356	125,863	13,806
1975	18,685	5,113	27,259	215,976	18,320
1976	18,580	5,343	30,298	229,289	16,500
1977	20,878	6,301	36,954	279,520	38,130
1978	19,258	5,908	38,484	259,967	22,686
1979	18,658	5,933	42,554	282,846	26,304
1980	20,138	6,970	55,915	389,136	31,793
1981	19,878	7,163	66,529	493,528	27,215
1982	19,600	7,375	71,579	557,638	62,502
1983	20,933	8,443	88,086	673,083	75,467
1984	23,305	9,552	99,092	774,201	199,616
1985	23,433	10,678	117,489	863,115	274,359
1986	30,158	11,953	147,204	926,587	124,439
1987	28,395	11,075	108,943	649,282	99,010
1988p	34,090	11,675	132,963	791,221	135,792

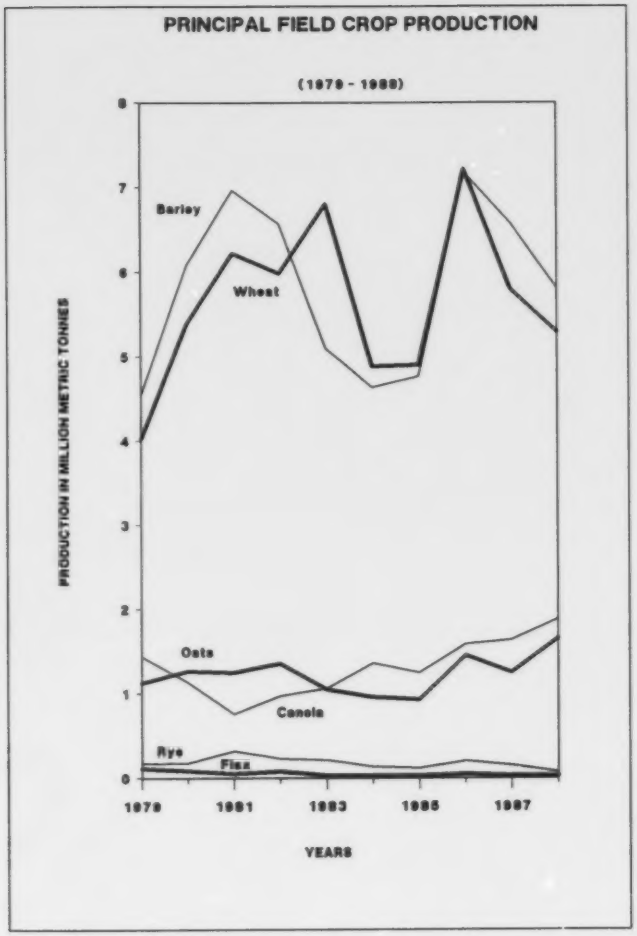
p preliminary

1 Includes all crop, hay and pasture, alfalfa and processing vegetables.

2 Includes farmer and Federal share, Provincial high risk subsidy and hail endorsement.

Table 14
SUMMERFALLOW AREA

Census Division	1987	1988
	- thousand acres -	
1	554	579
2	563	647
3	106	120
4	701	738
5	846	847
6 & 15	159	166
7	493	497
8 & 9	89	69
10	597	590
11	177	146
12 & 16	139	141
13 & 14	177	172
17, 18, 19	699	638
Province	5,300	5,350


PRINCIPAL FIELD CROP PRODUCTION
(1979 - 1988)
PRODUCTION IN MILLION METRIC TONNES
Barley
Wheat
Oats
Canola
Rye
Flax
0
1
2
3
4
5
6
7
8
1979
1981
1983
1985
1987
YEARS

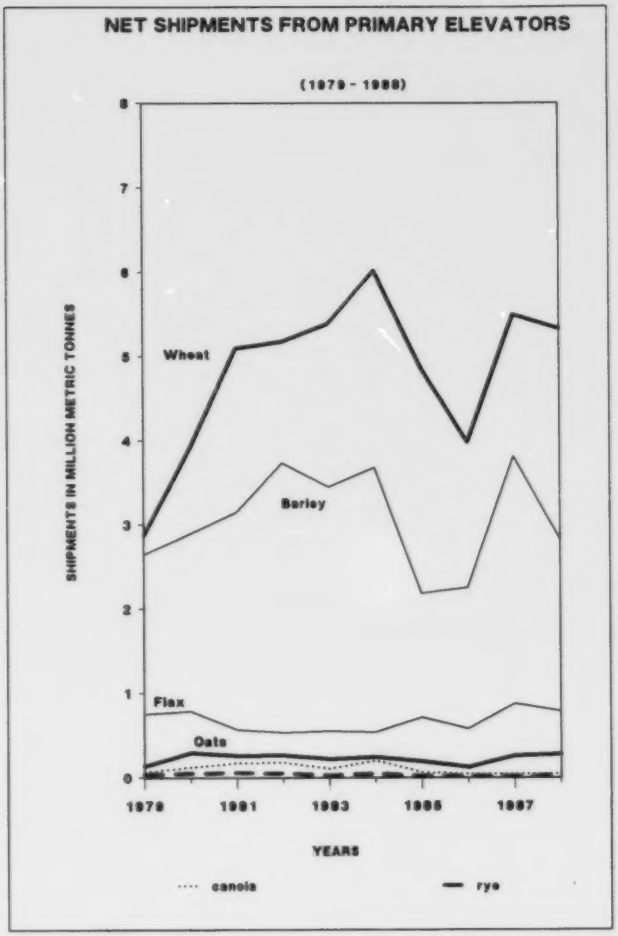

NET SHIPMENTS FROM PRIMARY ELEVATORS
(1979 - 1988)
SHIPMENTS IN MILLION METRIC TONNES
Wheat
Barley
Flax
Oats
0
1
2
3
4
5
6
7
8
1979
1981
1983
1985
1987
YEARS
canola
rye

Table 15
AREA, YIELD AND PRODUCTION OF PRINCIPAL FIELD CROPS

Census Division	Area 1987r	Area 1988	Yield Per Acre 1987r	Yield Per Acre 1988	Production 1987r	Production 1988
	- acres -		- bushels -		- tonnes -	
ALL WHEAT						
1	729,000	720,000	29.2	15.6	578 000	305 400
2	1,036,000	957,000	38.4	26.7	1 082 000	694 500
3	480,000	475,000	29.3	17.9	382 000	230 500
4	726,000	666,000	17.9	8.5	353 000	154 200
5	1,199,000	1,179,000	31.2	30.1	1 019 000	966 000
6 & 15	282,000	278,000	35.5	35.1	272 000	265 800
7	855,000	758,000	22.2	25.7	517 000	530 500
8 & 9	70,000	101,000	40.4	46.8	77 000	128 600
10	824,000	775,000	27.0	35.0	606 000	738 800
11	102,000	122,000	35.5	49.9	99 000	166 200
12 & 16	85,000	80,000	28.6	32.5	67 000	71 600
13 & 14	61,000	76,000	37.7	44.7	63 000	93 200
17, 18, 19	821,000	813,000	30.5	42.5	681 000	939 700
Province	7,270,000	7,000,000	29.3	27.7	5 796 000	5 285 000
OATS FOR GRAIN						
1	5,000	18,000	50.6	26.9	3 900	7 000
2	16,000	15,000	72.8	76.4	18 000	18 000
3	23,000	30,000	66.2	32.4	23 500	15 000
4	26,000	43,000	37.9	30.0	15 200	20 000
5	35,000	38,000	68.0	54.2	36 700	32 000
6 & 15	58,000	64,000	78.9	73.6	70 600	73 000

Census Division	Area 1987r	Area 1988	Yield Per Acre 1987r	Yield Per Acre 1988	Production 1987r	Production 1988
	- acres -		- bushels -		- tonnes -	
OATS FOR GRAIN (cont'd)						
7	147,000	169,000	57.5	54.0	130 400	141 000
8 & 9	87,000	114,000	79.8	89.9	107 100	158 000
10	204,000	235,000	64.2	66.6	202 000	241 000
11	153,000	159,000	75.8	89.4	178 900	219 000
12 & 16	105,000	132,000	61.8	67.6	100 100	138 000
13 & 14	155,000	181,000	70.8	89.9	169 200	251 000
17, 18, 19	186,000	253,000	67.6	86.6	193 900	337 000
Province	1,200,000	1,450,000	67.5	73.8	1 249 300	1 650 000
BARLEY FOR GRAIN						
1	54,000	53,000	57.1	42.8	67 100	49 000
2	302,000	255,000	70.0	58.9	460 300	327 000
3	378,000	330,000	55.5	27.7	456 800	199 000
4	41,000	34,000	32.4	23.5	28 900	17 000
5	437,000	367,000	55.6	49.9	529 000	399 000
6 & 15	598,000	513,000	61.5	57.0	800 700	636 000
7	397,000	346,000	46.8	45.8	404 500	345 000
8 & 9	624,000	584,000	61.7	71.6	838 200	910 000
10	718,000	607,000	49.4	55.3	772 200	731 000
11	504,000	448,000	57.5	68.5	631 000	669 000
12 & 16	247,000	202,000	45.4	54.7	244 100	240 000
13 & 14	481,000	405,000	53.5	68.2	560 300	602 000
17, 18, 19	819,000	556,000	44.5	56.9	793 500	689 000
Province	5,600,000	4,700,000	54.0	56.8	6 586 700	5 813 000

A.R.A.	Area 1987r	Area 1988	Yield Per Acre 1987r	Yield Per Acre 1988	Production 1987r	Production 1988
	- acres -		- bushels -		- tonnes -	
FLAXSEED						
1	9,700	9,600	29.3	26.0	7 200	6 300
2	22,400	16,300	21.6	23.1	12 300	9 500
3	3,300	2,900	18.4	17.1	1 500	1 300
4A	11,200	9,600	18.6	18.3	5 300	4 500
4B	6,500	5,600	21.3	22.2	3 500	3 200
5	1,500	1,300	21.3	22.2	800	700
6	1,500	1,300	21.1	22.2	800	700
7	3,900	3,400	15.7	19.6	1 600	1 700
Province	60,000	50,000	21.7	22.0	33 000	27 900
CANOLA / RAPESEED						
1	32,500	56,300	33.0	20.5	24 300	26 200
2	234,100	338,200	31.3	25.6	166 200	196 400
3	180,400	243,200	26.9	22.9	110 100	126 300
4A	468,300	570,000	26.5	21.5	281 500	278 000
4B	585,400	733,100	25.4	23.6	337 200	393 200
5	312,100	310,900	26.0	28.4	184 000	200 400
6	231,900	348,700	24.5	23.5	128 900	186 200
7	805,300	899,600	22.0	23.3	401 800	475 300
Province	2,850,000	3,500,000	25.3	23.7	1 634 000	1 882 000
ALL RYE						
1	43,300	35,800	23.6	8.8	25 900	8 000
2	63,000	48,400	26.7	17.9	42 900	21 700
3	45,100	24,400	33.2	21.1	38 000	13 000
4A	44,900	37,300	24.8	20.0	28 200	19 100
4B	7,200	5,700	28.0	22.8	5 100	3 300
5	8,000	3,500	32.9	26.9	6 700	2 400
6	3,700	1,800	28.3	20.9	2 700	900
7	4,800	3,100	23.8	30.7	2 900	2 400
Province	220,000	160,000	27.3	17.5	152 400	70 800

A.R.A.	Area		Yield Per Acre		Production	
	1987r	1988	1987r	1988	1987r	1988
	- acres -		TAME HAY - tons -		- tons -	
1	221,300	214,800	2.8	1.4	629 300	305 400
2	328,400	334,700	2.9	3.1	966 900	1 028 500
3	415,400	394,600	1.8	0.9	743 800	354 600
4A	212,900	213,000	0.9	0.6	185 500	124 300
4B	242,600	253,400	1.9	1.7	472 800	429 500
5	1,025,400	1,026,100	2.3	2.3	2 337 400	2 354 700
6	1,025,000	1,081,500	2.1	2.2	2 131 400	2 420 500
7	879,000	1,131,900	1.7	2.6	1 532 900	2 982 500
Province	4,350,000	4,650,000	2.1	2.2	9 000 000	10 000 000
	- acres -		OTHER CROPS		- tonnes -	
Winter Wheat	470,000	350,000	31.9 (bu)	20.6 (bu)	408 000	196 000
Durum Wheat	800,000	900,000	31.3 (bu)	21.1 (bu)	680 000	517 000
Mixed Grains	150,000	175,000	53.3 (bu)	57.1 (bu)	163 000	204 000
Fall Rye	180,000	110,000	27.8 (bu)	19.1 (bu)	127 000	53 000
Spring Rye	40,000	50,000	25.0 (bu)	14.0 (bu)	25 400	17 800
Corn for Grain	12,000	9,300*	93.3 (bu)	103.2 (bu)*	28 400	24 400*
Peas, dry	65,000	116,200*	26.9 (bu)	35.3 (bu)*	47 600	111 600*
Lentils	30,000	6,000*	983.0 (lbs)	552 (lbs)*	13 400	1 500*
Mustard Seed	55,000	70,000*	982.0 (lbs)	640 (lbs)*	24 500	20 300*
Potatoes	23,500	23,600	280.0 (cwt)	260 (cwt)*	299 000	278 500
Sugar Beets	29,000	28,000	19.4 (tonnes)	19.2 (tonnes)	564 800	540 400
Fodder Corn	18,000	19,000*	13.9 (tons)	17.5 (tons)*	227 000	302 300*

r Revised

* Note: The 1988 estimate for these crops are from the Alberta Agriculture Specialty Crop Survey, 1988. These estimates are on a field run basis.

Table 16
FARM SUPPLY AND DISPOSITION OF PRINCIPAL CROPS

WHEAT

	1984-85r	1985-86r	1986-87r	1987-88p
	- '000's tonnes -			
Opening Stocks Aug. 1	480.0	260.0	200.0	950.0
Production	4 883.0	4 899.0	7 212.0	5 796.0
TOTAL SUPPLY	5 363.0	5 159.0	7 412.0	6 746.0
Marketings	4 399.1	4 368.5	5 430.8	5 142.0
Seed	295.3	290.3	277.4	276.0
Carryover	260.0	200.0	950.0	550.0
Feed,Waste and Dockage(2)	408.6	300.2	753.8	778.0
TOTAL DISPOSITION	5 363.0	5 159.0	7 412.0	6 746.0

OATS

	1984-85r	1985-86r	1986-87r	1987-88p
	- '000's tonnes -			
Opening Stocks Aug. 1	200.0	180.0	170.0	430.0
Production	956.0	925.0	1 450.0	1 249.0
TOTAL SUPPLY	1 156.0	1 105.0	1 620.0	1 679.0
Marketings	217.2	183.0	288.1	329.0
Seed	59.4	59.7	56.0	41.0
Carryover	180.0	170.0	430.0	300.0
Feed,Waste and Dockage(2)	699.4	692.3	845.9	1 009.0
TOTAL DISPOSITION	1 156.0	1 105.0	1 620.0	1 679.0

BARLEY

	1984-85r	1985-86	1986-87r	1987-88p
	- '000's tonnes -			
Opening Stocks Aug. 1	570.0	450.0	400.0	700.0
Production	4 638.0	4 768.0	7 185.0	6 586.0
TOTAL SUPPLY	5 208.0	5 218.0	7 585.0	7 286.0
Marketings	2 306.0	2 647.2	3 942.2	2 808.4
Seed	227.6	218.4	220.2	207.0
Carryover	450.0	400.0	700.0	1 200.0
Feed,Waste and Dockage(2)	2 224.4	1 952.4	2 722.6	3 070.6
TOTAL DISPOTISION	5 208.0	5 218.0	7 585.0	7 286.0

CANOLA(1)

	1984-85r	1985-86r	1986-87r	1987-88p
	- '000's tonnes -			
Opening Stocks Aug. 1	3.0	30.0	85.0	70.0
Production	1 361.0	1 247.0	1 588.0	1 633.0
TOTAL SUPPLY	1 364.0	1 277.0	1 673.0	1 703.0
Marketings	1 217.2	1 088.4	1 462.5	1 649.0
Seed	7.6	7.6	7.8	9.0
Carryover	30.0	85.0	70.0	50.0
Feed,Waste and Dockage(2)	109.2	96.0	132.7	-5.0
TOTAL DISPOSITION	1 364.0	1 277.0	1 673.0	1 703.0

1 Alberta marketings are inflated as Saskatchewan canola is often delivered to Lloydminster, Alberta. This attributes to the negative F.W.D. value. To keep things positive one can work on assumption that F.W.D. is about 10-12% of deliveries.

2 FWD is a residual.

p Preliminary

r Revised

Table 17
STOCKS OF GRAIN ON FARMS AT JULY 31

	Wheat	Oats	Barley	Rye	Flax-seed	Canola/ Rapeseed
			- '000 tonnes -			
1964	544	586	544	13	5	N/A
1965	572	355	435	20	5	N/A
1966	626	386	435	25	10	N/A
1967	1 089	463	675	18	10	9
1968	1 415	339	631	20	3	18
1969	2 313	447	1 393	25	5	4
1970	2 722	555	1 676	36	5	2
1971	1 851	478	631	46	53	2
1972	1 034	370	653	51	18	79
1973	544	339	827	18	3	2
1974	408	278	566	25	5	16
1975	354	231	479	36	13	34
1976	299	262	544	41	13	136
1977	1 334	308	631	25	5	11
1978	599	386	1 350	25	3	14
1979	1 361	355	1 393	97	5	91
1980r	680	231	501	56	3	120
1981	355	230	610	20	10	170
1982	1 010	230	1 070	38	3	34
1983	500	350	1 560	60	8	15
1984	480	200	570	30	3	3
1985r	260	180	450	35	7	30
1986	200	170	400	35	2	85
1987r	950	430	700	60	10	70
1988r	550	300	1 200	55	5	50

r Revised

N/A - Data not available.

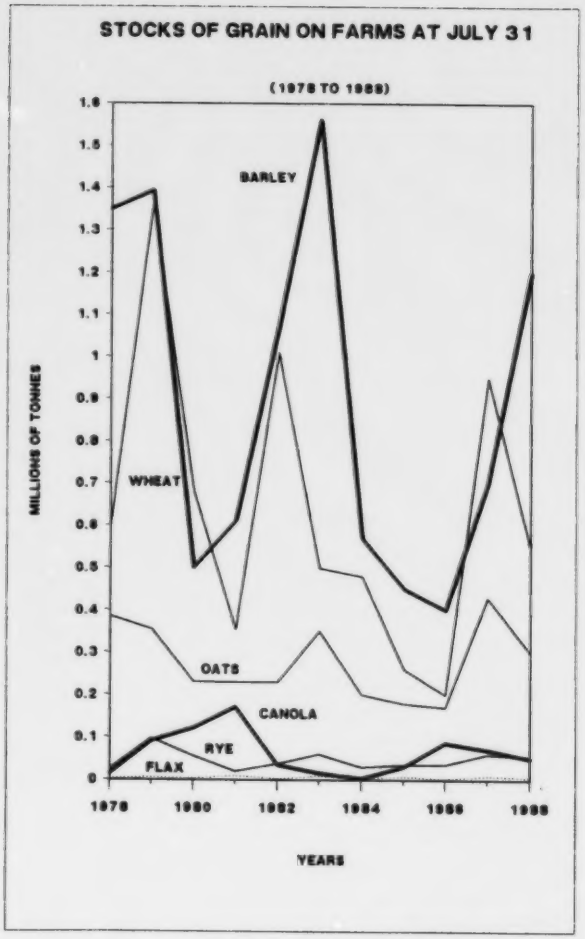


Table 18
CANADIAN WHEAT BOARD PAYMENTS, 1988-89

	Initial Payment - $/tonne -
WHEAT(1)*	
No. 1 C.W. Red Spring (14.5%)	159.57
No. 1 C.W. Red Spring (13.5%)	156.57
No. 1 C.W. Red Spring	154.36
No. 2 C.W. Red Spring (13.5%)	149.57
No. 2 C.W. Red Spring	148.57
No. 3 C.W. Red Spring	134.57
No. 1 Canada Prairie Spring (Red)	130.57
No. 2 Canada Prairie Spring (Red)	128.57
No. 1 C.W. Utility	138.57
No. 2 C.W. Utility	121.57
Canada Western Feed	114.36
No. 1 C.W. Red Winter	133.57
No. 2 C.W. Red Winter	131.57
No. 3 C.W. Red Winter	114.36
No. 1 C.W. Soft White Spring	134.36
No. 2 C.W. Soft White Spring	131.36
No. 3 C.W. Soft White Spring	120.36
No. 1 C.W. Amber Durum	159.36
No. 2 C.W. Amber Durum	156.36
No. 3 C.W. Amber Durum	154.36
OATS(2)	
No. 1 C.W.	146.75
No. 2 C.W.	144.75
No. 3 C.W.	141.75
No. 4 C.W.	135.75
DESIGNATED OATS(2)	
No. 1 C.W.	176.75
No. 2 C.W.	172.75
No. 3 C.W.	170.75
No. 4 C.W.	166.75

	Initial Payment - $/tonne -
BARLEY(3)	
No. 1 C.W.	102.61
No. 2 C.W.	99.61
DESIGNATED BARLEY(3)	
Special Select C.W. 2 - Row	172.61
Special Select C.W. 6 - Row	162.61
Select C.W. 2 - Row	167.61
Select C.W. 6 - Row	157.61
Sample Select C.W. 2 - Row	164.36
Sample Select C.W. 6 - Row	154.36

1 Deductions include freight at $6.55 per tonne (29.50 cents per cwt.) Calgary or Edmonton to Vancouver or Prince Rupert; estimated elevation charges of $7.25 per tonne and $1.84 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $6.55 per tonne (29.50 cents per cwt.) Calgary or Edmonton to Vancouver or Prince Rupert; estimated elevation charges of $9.00 per tonne and $2.70 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $6.55 per tonne (29.50 cents per cwt.) Calgary or Edmonton to Vancouver or Prince Rupert; estimated elevation charges of $8.95 per tonne and $1.89 per tonne for removal of dockage (Alberta Wheat Pool).

*These values include the Adjustment payment of $20.00 effective November 1988, for all wheat except durum.

Table 19
CANADIAN WHEAT BOARD PAYMENTS, 1987-88

	Initial Payment	Adjust. Payment	Final Payment	Realized Payment
	- dollars per tonne -			
WHEAT(1)				
No. 1 C.W.R.S.(13.5)	98.58	10.00	19.60	128.18
No. 1 C.W.R.S.	96.37	10.00	14.02	120.39
No. 2 C.W.R.S.(13.5)	91.58	10.00	18.81	120.39
No. 2 C.W.R.S.	90.58	10.00	13.66	114.24
No. 3 C.W.R.S.	76.58	10.00	15.57	102.15
No. 1 C.P.R.S.	61.58	15.00	25.57	102.15
No. 2 C.P.R.S.	57.58	15.00	27.57	100.15
No. 1 C.W. Utility	70.58	15.00	25.66	111.24
No. 2 C.W. Utility	58.58	15.00	18.66	92.24
Canada Western Feed	56.37	10.00	13.73	80.10
No. 1 C.W. R.W.	75.58	10.00	16.57	102.15
No. 2 C.W. R.W.	73.58	10.00	16.57	100.15
No. 3 C.W. R.W.	56.37	10.00	14.73	81.10
No. 1 C.W. S.W.S.	71.37	15.00	16.78	103.15
No. 2 C.W. S.W.S.	68.37	15.00	18.78	102.15
No. 3 C.W. S.W.S.	57.37	15.00	8.73	81.10
No. 1 C.W. A.D.	96.37	15.00	44.36	155.73
No. 2 C.W. A.D.	93.37	15.00	42.21	150.58
No. 3 C.W. A.D.	91.37	15.00	39.07	145.44
OATS(2)				
No. 1 C.W.	43.29	35.00	-	78.29
No. 2 C.W.	41.29	35.00	-	76.29
Ex. No. 1 Feed	39.29	35.00	36.04	110.33
No. 1 Feed	37.29	35.00	34.04	106.33
No. 2 Feed	33.19	35.00	25.64	93.83
No. 3 Feed	30.19	35.00	-	65.19
DESIGNATED OATS(2)				
No. 1 C.W.	82.29	25.00	18.59	125.88
No. 2 C.W.	80.29	25.00	18.59	123.88
Ex. No. 1 Feed	78.29	25.00	15.71	119.00
No. 1 Feed	76.29	25.00	12.09	113.38
No. 2 Feed	72.29	25.00	-	97.29
BARLEY(3)				
No. 1 C.W.	44.60	5.00	9.08	58.68
No. 2 C.W.	41.60	5.00	11.08	57.68
DESIGNATED BARLEY(3)				
Spec. Sel. C.W. 2-R	99.60	20.00	16.69	136.29
Spec. Sel. C.W. 6-R	89.60	20.00	20.67	130.27
Select C.W. 2-Row.	94.60	20.00	19.17	133.77
Select C.W. 6-Ro	84.60	20.00	23.17	127.77
Sample Sel.C.W. 2-R	91.35	20.00	-	111.35
Sample Sel.C.W. 6-R	81.35	20.00	-	101.35

1 Deductions include freight at $5.71 per tonne (25.90 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.25 per tonne and $1.67 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $5.71 per tonne (25.90 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $9.30 per tonne and $2.70 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $5.71 per tonne (25.90 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.80 per tonne and $1.89 per tonne for removal of dockage (Alberta Wheat Pool).

Table 20
AVERAGE MONTHLY CASH GRAIN PRICES, 1987-88

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
WHEAT - Canadian Wheat Board Basis in Store Pacific Coast													
1 C.W.R.S.* .	193.17	198.04	198.41	199.14	202.37	205.14	202.45	196.78	203.74	212.99	260.33	264.14	211.44
2 C.W.R.S.* .	187.57	192.44	192.81	193.54	196.77	199.54	196.85	191.18	198.14	207.39	254.73	258.54	205.84
3 C.W.R.S. . .	177.57	182.44	182.81	183.54	186.77	189.54	186.85	181.18	188.14	197.39	244.73	248.54	195.84
1 C.W.R.W. . .	179.57	184.44	184.81	185.54	188.77	191.54	188.85	183.18	190.14	199.39	246.73	250.54	197.84
2 C.W.R.W. . .	177.57	182.44	182.81	183.54	186.77	189.54	186.85	181.18	188.14	197.39	244.73	248.54	195.84
3 C.W.R.W. . .	174.57	179.44	179.81	180.54	183.77	186.54	183.85	178.18	185.14	194.39	241.73	245.54	192.84
1 C.W.A.D. . .	190.56	198.01	210.65	228.53	234.37	229.00	225.06	213.68	207.53	219.82	301.08	354.54	234.35
2 C.W.A.D. . .	185.56	193.01	205.65	223.53	229.37	224.00	220.06	208.68	202.53	214.82	296.08	349.54	229.35
3 C.W.A.D. . .	180.56	188.01	200.65	218.53	224.37	219.00	215.06	203.68	197.53	209.82	291.08	344.54	224.35
OATS - Domestic - Canadian Wheat Board Basis in Store Thunder Bay													
1 C.W.	141.50	141.50	141.50	141.50	141.50	141.50	141.50	141.50	141.50	141.50	213.97	279.00	158.95
2 C.W.	139.50	139.50	139.50	139.50	139.50	139.50	139.50	139.50	139.50	139.50	211.97	277.00	156.95
Ex. 1 Fd. . .	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	133.00	205.47	270.50	150.45
BARLEY - Canadian Wheat Board Basis in Store Thunder Bay													
Malting:													
Special Select 6-Row	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	252.09	309.40	221.66
Select 6-Row .	207.50	207.50	207.50	207.50	207.50	207.50	207.50	207.50	207.50	207.50	249.59	306.90	219.16
Special Select 2-Row	216.00	216.00	216.00	216.00	216.00	216.00	216.00	216.00	216.00	216.00	258.09	315.40	227.66
Select 2-Row .	213.50	213.50	213.50	213.50	213.50	213.50	213.50	213.50	213.50	213.50	255.59	312.90	225.16

* - 13.5 % moisture

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
OATS - Winnipeg Commodity Exchange Basis in Store Thunder Bay													
1 Feed	66.44	74.74	87.01	98.02	101.70	105.90	98.53	89.38	85.38	87.43	127.16	161.10	98.51
2 Feed	62.22	70.20	82.25	89.75	97.29	98.67	94.09	85.88	81.88	83.88	122.50	157.52	93.81
3 Feed	59.22	67.15	79.25	86.75	94.29	95.62	91.09	82.88	78.88	80.93	119.41	154.52	90.80
BARLEY - Domestic - Winnipeg Commodity Exchange Basis in Store Thunder Bay													
1 C.W.	67.47	67.62	67.50	68.03	66.73	71.26	71.83	71.28	75.34	86.71	107.94	117.18	78.27
2 C.W.	66.47	66.62	66.50	67.03	65.73	70.26	70.83	70.28	74.34	85.71	106.94	116.18	77.27
RYE - Winnipeg Commodity Exchange Basis in Store Thunder Bay													
1 C.W.	91.69	102.97	109.35	104.65	97.67	103.53	108.68	104.08	105.31	121.46	164.20	159.97	114.61
2 C.W.	89.69	100.97	107.35	102.65	95.67	101.53	106.68	102.08	103.31	119.37	161.01	157.97	112.50
3 C.W.	62.34	73.35	79.35	74.65	67.67	73.53	78.68	74.08	73.66	91.46	134.20	129.97	84.56
FLAXSEED - Winnipeg Commodity Exchange Basis in Store Thunder Bay													
1 C.W.	193.56	205.75	216.72	221.45	226.02	237.53	230.11	224.82	236.61	258.01	322.25	391.05	246.93
2 C.W.	191.56	203.75	214.72	219.45	224.02	235.53	228.11	222.82	234.61	256.01	320.25	389.05	244.93
3 C.W.	158.56	170.75	181.72	186.45	191.02	202.53	195.11	189.82	201.66	223.87	287.25	356.05	212.01
CANOLA/RAPESEED- Winnipeg Commodity Exchange Basis in Store Pacific Coast													
1 Canada	235.68	243.24	257.53	266.94	281.15	302.56	303.16	294.22	305.27	336.31	413.98	395.28	303.35
2 Canada	222.68	230.24	244.53	253.94	268.15	289.56	290.16	281.22	292.27	323.31	400.98	382.28	290.35

Table 21
NON-BOARD GRAIN PRICES, 1987-88

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
	- dollars per tonne -												
LETHBRIDGE													
Wheat . . .	70.70	68.53	72.75	79.66	81.02	80.83	84.51	86.35	90.02	102.14	120.88	129.33	88.90
Oats . . .	70.42	64.19	68.73	80.02	83.00	86.08	86.89	66.18	88.83	99.25	102.45	161.45	88.12
Barley . .	63.93	57.32	58.33	59.71	60.86	62.23	62.56	62.46	66.60	84.51	102.88	109.31	70.89
CALGARY													
Wheat . . .	70.25	57.32	69.62	73.19	76.43	79.00	81.57	85.98	94.06	94.06	112.43	117.94	84.41
Oats . . .	68.34	67.98	65.68	68.86	73.92	79.27	83.65	82.35	83.68	83.68	94.02	124.49	81.06
Barley . .	66.23	64.84	58.46	58.06	57.64	57.87	58.33	59.71	69.81	69.81	93.23	100.12	66.64
RED DEER													
Wheat . . .	70.18	61.45	72.38	74.22	76.43	82.31	83.55	85.98	87.08	94.43	116.47	123.82	86.34
Oats . . .	60.82	58.87	61.92	67.57	74.89	80.08	81.31	80.40	80.40	76.54	93.37	136.16	79.36
Barley . .	62.83	57.77	55.94	52.91	52.82	54.31	54.65	54.66	55.57	64.30	87.26	95.99	62.40
VERMILION													
Barley . .	63.38	58.10	55.11	51.44	50.52	50.98	52.36	51.44	51.90	58.23	78.54	93.23	59.61
EDMONTON													
Wheat . . .	76.57	74.96	77.82	80.47	81.94	84.42	87.45	88.92	90.39	98.84	121.99	130.07	91.15
Oats . . .	66.66	66.14	66.33	74.31	80.08	81.38	84.16	86.24	86.24	87.57	94.66	154.32	85.67
Barley . .	65.96	59.71	56.63	55.21	55.35	56.26	56.95	57.41	58.33	67.51	88.18	98.74	64.68
PEACE RIVER													
Wheat . . .	79.23	79.37	79.10	78.25	78.63	81.94	79.88	81.20	81.26	82.67	97.73	120.15	84.95
Oats . . .	66.79	61.28	65.16	66.66	70.35	75.70	74.82	77.16	76.87	78.45	84.29	136.16	77.80
Barley . .	67.06	63.38	57.41	54.75	55.12	59.02	57.04	56.49	56.54	58.33	72.11	100.12	63.11

Table 22
MUNICIPAL CO-OPERATIVE SEED CLEANING

	1986-87	1987-88
	- bushels -	
Commercial Seed	23,976,499	23,457,200
Pedigree Seed	2,023,416	2,346,414
Total Seed	25,999,915	25,803,614
Dockage Removed	3,826,748	4,133,629
Cleaning-Total	29,919,800	30,385,715
-Average Per Plant	388,568	394,620
Treated Seed	2,813,374	2,445,032

Table 23
INTENDED AND SEEDED AREAS OF PRINCIPAL FIELD CROPS

	1987		1988	
	Intended	Seeded	Intended	Seeded
	- thousand acres -			
Winter Wheat	450	470	410	410
Spring Wheat	5,800	6,000	5,800	5,750
Durum Wheat	750	800	900	900
All Wheat	7,000	7,270	7,110	7,060
Oats(1)	1,850	1,650	1,900	1,850
Barley(1)	6,250	5,950	5,100	5,000
All Rye	260	220	200	210
Mixed Grain	N/A	150	N/A	175
Flaxseed	80	70	80	50
Rapeseed/Canola	2,850	2,850	3,450	3,500
Corn for Grain	N/A	9	N/A	9
Summerfallow	4,550	5,300	5,200	5,350

1 Includes oats and barley for grain and for hay.
Note: Intentions at March 15.

Table 24
FERTILIZER SALES

	1986/87(1)	1987/88
	- tonnes -	
82-0-0 (Anhy. Amm.)	131 260	152 684
46-0-0 (Urea)	222 206	237 587
34-0-0 (Amm. No3)	66 442	73 371
21-0-0 (Amm. SO4)	22 883	42 661*
28-0-0 (N. Soln.)	46 279	42 137
Other N	20 823	9 884
MAP (Monoammon Phos.)	244 822	249 260
18-46-0 DAP	67	N/A
16-20-0 OAP	21 292	16 386**
Other (Phos)	22 390	21 334
10-34-0 (Soln.)	N/A	N/A
0-0-60 (KCL)	35 140	39 259
All Others	2 251	2 271
Elemental S	N/A	N/A
TOTAL	835 849	886 834
Nutrients:		
Nitrogen (N)	289 186	315 796
Phosphate (P205)	140 197	137 369
Potash (K20)	21 729	24 328
Sulphur (S)	14 181	19 101
Ag. Lime	8 388	4 817

1 July 1 to June 30.

* Ammonium Sulphate includes 21/20-0-0-24 and 19-3-0-22

** Ammonium Phos-Sulphate includes 16/17-20-0-14/15

N/A - Data not available.

Table 25
FORAGE SEED CROPS INSPECTED FOR PEDIGREE STATUS

	1987	1988
	- acres -	
Alfalfa	13,000	13,242
Alsike Clover	837	2,020
Altai Wild Ryegrass	230	2
Birdsfoot Trefoil	711	1,276
Bromegrass	5,296	7,702
Cicer Milkvetch	59	59
Creeping Red Fescue	4,561	13,635
Crested Wheatgrass	1,810	1,645
Orchardgrass	95	55
Red Clover (single cut)	858	458
Reed Canarygrass	125	100
Sainfoin	0	0
Timothy	5,508	6,966

Table 26
COMMERCIAL AND PEDIGREE FORAGE SEED PRODUCTION

	1987	1988
	- '000 kg -	
Alfalfa	1 250	1540
Alsike Clover	2 000	3400
Bromegrass	600	1400
Creeping Red Fescue	4 000	11000
Crested Wheatgrass	150	200
Red Clover (single cut)	1 100	2400
Sweet Clover	200	90
Timothy	1 500	2000

Table 27
PROCESSED ALFALFA PRODUCTION

	Production	Total Exports	Value F.O.B. Plant
	- tonnes -		- $'000 -
1975-76	97 000	29 000	8,200
1976-77	130 000	83 000	12,000
1977-78	166 000	87 000	13,800
1978-79	164 000	114 000	13,600
1979-80	181 000	130 000	17,900
1980-81	139 000	80 000	18,500
1981-82	122 000	68 000	13,500
1982-83	132 000	94 000	16,800
1983-84	201 000	151 000	28,600
1984-85	229 000	165 000	32,800
1985-86	166 000	128 000	22,400
1986-87	253 000	207 000	31,000
1987-88	289 000	223 000	29,500

Table 28
TAME HAY PRODUCTION

	Area	Yield Per Acre	Production
	- '000 acres -	- kg -	- '000 tonnes -
1982	3,500	1 578	5 535
1983	3,700	1 765	6 530
1984	3,900	1 630	6 350
1985	3,900	1 185	4 625
1986r	3,950	1 978	7 893
1987	4,350	1 878	8 165
1988	4,650	1 951	9 072

r Revised

Table 29
DRY BEAN PRODUCTION*

	Area	Yield Per Acre	Production
	- acres -	- kilograms -	- tonnes -
1983	3,000	726	2 182
1984	4,750	862	4 102
1985	7,700	862	6 650
1986	11,620	871	10 141
1987	22,600	767	17 345
1988	24,600	958	23 566

*Source: Alberta Agriculture Speciality Crop Historical Series.

Note: These estimates are on a field run basis and have not been adjusted for dockage.

Table 30
SUGAR BEET INDUSTRY

		1986r	1987r	1988
Contracted	ac.	30,504	29,983	29,575
Planted	ac.	29,711	29,438	28,945
Harvested	ac.	28,493	29,169	28,109
Production	tonnes	596 122	564 814	540 405
Average Yield	kg/ac.	20 920	19 360	19 220
Market Price (beets)	$/tonne	21.82	30.52	-
Sugar Content	%	16.5	-	-
Sugar Produced(r)	kg/tonne	112.1	137.9	132.5
Sugar Produced(r)	kg/ac.	2 346	2 670	2 547

r Revised

Table 31
COMMERCIAL VEGETABLE PRODUCTION

	Area		Production	
	1987	1988	1987	1988
	- acres -		- tonnes -	
Cabbage	1,025	881	6 996	7 038
Carrots	1,096	980	7 351	5 863
Corn, fresh	2,769	2,573	12 764	13 506
Cucumbers	248	215	384	742
Onions	275	238	2 441	1 461
Rutabagas	179	142	1 122	684

LIVESTOCK

Even though a generally optimistic outlook prevailed in 1988, the situation for livestock producers remained mostly uncertain during the year. Extreme drought conditions in parts of Alberta and the other prairie provinces substantially reduced grain and forage supplies, resulting in sharply higher feed prices and production costs. As well, a protracted labour dispute at the Fletchers plant in Red Deer was very disruptive to the pork industry.

Combined with lower fed cattle, hog and lamb prices, these developments caused some reduction in the profitability of livestock operations. Direct operating expenses associated with livestock production increased 15 per cent from 1987 levels to an estimated $516 million while cash receipts from livestock operations, excluding dairy, rose at the more moderate rate of 13 per cent to $1,695 million. Additional income, from the Alberta Crow Benefit Offset Program, amounted to some $47 million.

The winter of 1987-88 was fairly mild, continuing a trend of milder than average winters that had begun two years earlier, in 1985-86. Above average temperatures had greatly reduced livestock feed requirements, but concomitantly low winter precipitation led to below normal soil moisture levels in the spring of 1988. Depleted surface and subsurface soil moisture slowed down pasture regeneration. Feed supplies were quickly used up in April. Low reserves in sloughs and dugouts caused shortages in livestock water supplies. These conditions proved to be a premonition of the summer drought that was to follow.

Production conditions deteriorated throughout the month of May. Some cattle producers, particularly in southern and north-eastern districts,were compelled to purchase feed as early as the first week of May. However, as the month progressed, market hay became increasingly scarce as producers held back their stocks in anticipation of higher prices. Variable amounts of rain in late May and early June were not nearly enough to significantly improve conditions in much of the province, except in the North West and Peace River Regions.

Rainfall during the month of June was effective in hastening pasture growth in some of the moisture deficient areas, especially in the northern Foothills and central regions. Haying operations were already underway in northern areas by mid month, and almost general by month's end. First-cut hay yields ranged from less than one-quarter to two tonnes per acre, with quality ranging from fair to good. Pastures remained poor in the south-eastern districts of the province.

Soil moisture content continued to improve with sporadic rain showers in July. Pastures recovered in the North East Region but were still poor in the driest areas of southern Alberta owing to inadequate precipitation. A return to warm, dry weather during the latter part of July only worsened conditions in these areas as the livestock water and forage supply situation became dismal. Rainfall and generally cool, wet conditions in August aided the recovery of pastures in most deficient districts but hampered field work and haying operations.

By the end of September, supplementary feeding had already begun in some areas of the south. In the drier sections of the province, crops were salvaged for feed, rather than combined. Warm weather in October greatly facilitated field work and hastened the completion of grain harvesting ,haying operations, and silage preparation.

Overall, pasture conditions during 1988 varied widely, from generally poor in south-eastern Alberta to mostly excellent in the North West Region and parts of the Peace River Region. The provincial average yield of tame hay rose almost four per cent over the 1987 average, to 1.95 tonnes per acre while total production was a record high 9.07 million tonnes. Fodder corn acreage was unchanged at 18,000 acres but total production declined some 9 000 tonnes to 218 000 tonnes because of reduced yield. Total grain acreage was 13.50 million acres, down from 14.45 million acres a year earlier. Grain production totalled 13.05 million tonnes, down 6.6 per cent from 1987. Except in those severely stressed areas

near the Saskatchewan border, feed and forage quality was rated as good to excellent throughout the province.

A number of government programs were introduced during the year to address the effects of the severe summer drought on Alberta's livestock industry. Principal among them was the Federal-Provincial Livestock Drought Initiative which provided $63 million in financial benefits to affected Alberta livestock producers and also included a tax deferral plan.

Through these programs, and a better than expected grain and forage crop, producers were able to maintain their livestock in good to excellent condition during the year. At the onset of the 1988-89 winter season, livestock were still in generally excellent condition, with only a few areas in a potentially deficit feed supply position.

Prices

Due to a higher rate of exchange of the Canadian dollar against the American dollar in 1988, domestic prices had to decrease in order that Canadian commodities might remain attractive to U.S. buyers. Thus, the six per cent appreciation that occurred in the value of the dollar during the year accounted for marked declines in livestock prices, particularly during the third and fourth quarters.

The monthly average live-weight price of steers delivered directly by producers to packing plants for slaughter dropped sharply from a high of $86.10 per cwt. in April to a low of $75.97 per cwt. in July before a slight recovery raised it to the low $80 per cwt. range in the fourth quarter. The annual average price, at $80.33 per cwt., was $2.59 per cwt., or 3.1 per cent, below the 1987 average. Heifer prices dropped by $1.55 per cwt., or 1.9 per cent, from the 1987 annual average of $79.04. Corresponding railgrade prices decreased by 2.5 and 0.5 per cent, to $140.52 and $138.69 per cwt. for steers and heifers, respectively.

Feeder calf prices dropped substantially during the year. In Calgary, 500-600 lb. calves averaged $110.34 per cwt., down $6.65 per cwt. from 1987. Feeder cattle prices dropped more moderately, however, with steers 900 lbs. and over averaging $89.31 per cwt., compared to $91.74 per cwt. in 1987. In Edmonton, similar grade steer calves and cattle averaged $109.60 and $85.71 per cwt., down $6.64 and $2.71 per cwt., respectively, from 1987.

Slaughter hog prices fluctuated early then declined steadily from June through the balance of the year. Dressed index 100 hogs began 1988 at the $60 per cwt. range, peaked at $68.22 per cwt. by mid-year, then dropped to the high $40 per cwt. range at the close of the year, averaging $57.56 per cwt. for the year, fully $18.87 per cwt. lower than 1987. Feeder hog prices also dropped considerably during 1988, with percentage declines slightly lower for heavier weight feeders than lighter weight feeders.

After reaching all-time highs in 1987, sheep and lamb prices dropped sharply in 1988 due to higher output and a stronger Canadian dollar. In Edmonton A,B lambs (80+lbs.) reduced in price to $68.32 per cwt., from $88.64 per cwt. in 1987. Feeder lamb prices decreased 21.5 per cent to $82.34 per cwt. while D 1,2 sheep averaged $33.18 per cwt., 40 per cent lower than the 1987 average.

Marketings

Prior to 1988, the number of cattle and calves marketed for slaughter had decreased steadily for five years. However, through cyclical expansion and a number of government programs that stimulated interest in feeding, total 1988 marketings exceeded previous year levels by about four per cent, rising from 1,172,747 to 1,215,946 head. Steer marketings increased by 46,186 head to 657,166 but heifer marketings dropped by 27,492 to 365,835 head, indicating continued female retention for herd rebuilding. Shipments of cattle and calves out of the province were sharply up, totalling 432,168 head, compared to 318,339 head in 1987. This was mainly because of a 50 per cent increase in slaughter cattle exports.

Inspected cattle and calf slaughter was up 6.4 per cent over 1987 slaughter to 1,232,915 head. Along with substantially heavier carcass weights, the higher

slaughter volume raised total beef and veal output by 10.1 per cent over the preceding year's output to $795 million pounds of cold dressed carcass.

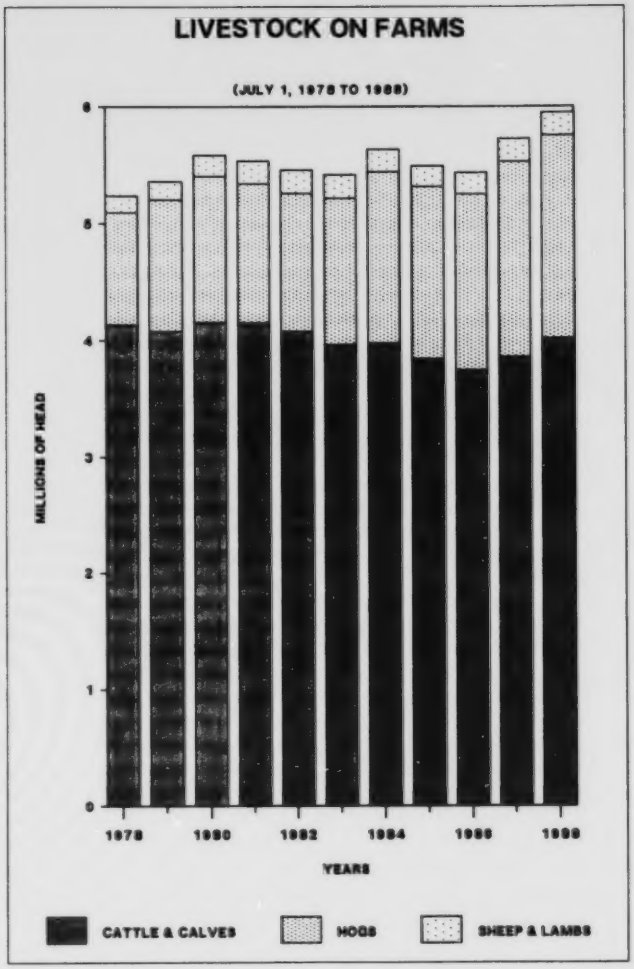
Slaughter hog marketings declined in 1988 following a marked increase in 1987. The total of 1,854,010 head represented a year-to-year drop of 4.6 per cent from 1987. While this decrease may appear substantial, it is important to note that the 1987 volume was one of the largest ever, and that the 1988 volume was above the average for the preceding five-year period from 1983 through 1987. Inspected slaughter decreased by 11.2 per cent, to 1,563,774 head. Consequently, cold carcass output, at 218 million pounds, was down 9.6 per cent from 1987 despite increased heavier average weight.

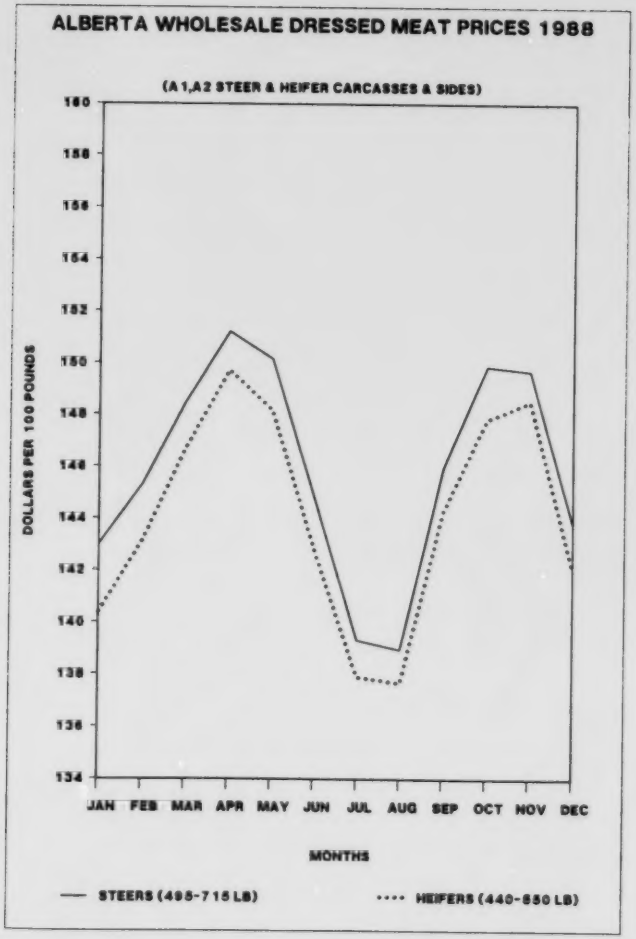
Sheep and lamb marketings totalled 55,905 head, down almost three per cent from a year earlier even though the number slaughtered in inspected plants was up more than nine per cent to 76,326 head. Imports from the United States constituted a significant percentage of total slaughter. Estimated cold carcass lamb and mutton production was 3.7 million pounds, compared with 3.5 million pounds in 1987.

Numbers

Estimated cattle and calf inventory as at July 1, 1988 was 4,015,000 head. This was four per cent higher than the estimate for July 1, 1987 and would most probably have been even higher but for the mitigating effect of the summer drought. The beef female breeding herd increased by about five per cent, indicating continued expansion of the provincial beef cattle population. The latest cyclical upward trend in Alberta's pig population, which began in 1986, continued into 1988. The estimated total inventory as at July 1, 1988 was 1,735,000 head, compared with 1,670,000 head on the same date in 1987. However, the breeding herd remained unchanged at 187,000 head.

Sheep and lamb numbers were estimated at 198,000 head on July 1, 1988 up two per cent from a year earlier. Increases of five and six per cent were recorded in 1986 and 1987. It would thus appear that the latest population cycle is approaching its peak.




ALBERTA WHOLESALE DRESSED MEAT PRICES 1988
(A 1,A2 STEER & HEIFER CARCASSES & SIDES)
DOLLARS PER 100 POUNDS
160
158
156
154
152
150
148
146
144
142
140
138
136
134
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS
STEERS (495-715 LB)
HEIFERS (440-650 LB)

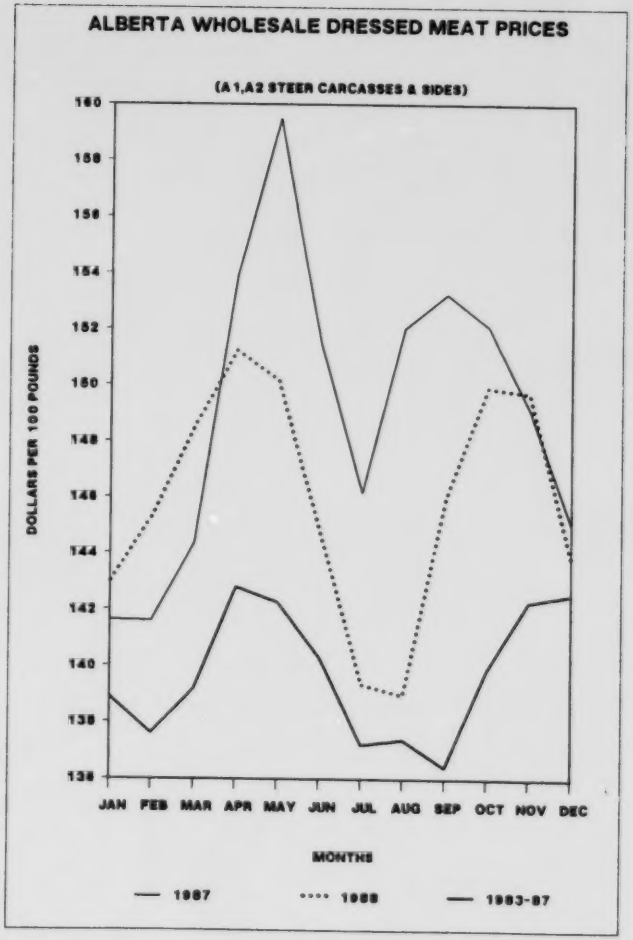

ALBERTA WHOLESALE DRESSED MEAT PRICES
(A 1,A2 STEER CARCASSES & SIDES)
DOLLARS PER 100 POUNDS
160
158
156
154
152
150
148
146
144
142
140
138
136
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS
1987
1988
1983-87

Table 32
ALBERTA DIRECT TO PACKER SALES

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						1987							
Steers: Live Sales													
No. Sold	11,165	11,268	12,085	14,022	18,523	22,068	15,970	16,451	17,657	10,961	15,045	16,733	181,948
Price ($/100 lbs)	77.75	78.07	80.15	85.86	89.24	85.22	80.11	83.77	85.41	83.09	82.60	78.56	82.92
Heifers: Live Sales													
No. Sold	5,489	4,103	5,223	5,293	6,097	4,613	4,633	5,646	6,845	3,765	6,657	5,165	63,529
Price ($/100 lbs)	73.78	74.38	77.49	82.71	85.79	83.07	78.62	81.94	83.06	81.06	79.37	75.58	79.94
Steers: Railgrade													
No. Sold	6,793	6,974	6,998	12,847	12,178	9,706	5,787	6,462	7,349	5,052	7,253	6,024	93,423
Price ($/100 lbs)	135.37	135.70	139.37	148.93	152.05	145.70	138.49	145.50	148.02	146.15	144.96	137.30	144.15
Heifers: Railgrade													
No. Sold	4,672	4,907	5,139	4,105	3,477	3,120	2,931	2,088	2,674	1,321	4,652	3,555	42,641
Price ($/100 lbs)	131.68	132.86	136.30	143.28	148.85	143.37	136.79	142.61	146.04	144.88	142.07	134.94	139.35
						1988							
Steers: Lives Sales													
No. Sold	16,642	12,369	12,583	21,359	27,229	28,343	19,564	22,857	27,136	16,545	20,280	18,814	243,721
Price ($/100 lbs)	78.14	82.02	84.77	86.10	84.55	78.62	75.97	76.91	78.37	82.22	80.64	77.58	80.33
Heifers: Live Sales													
No. Sold	9,328	7,611	7,904	8,503	10,057	7,315	8,221	7,957	10,059	7,669	8,369	9,551	102,544
Price ($/100 lbs)	75.04	78.90	81.96	83.95	81.82	76.86	74.74	75.64	77.50	80.45	78.52	75.56	78.39
Steers: Railgrade													
No. Sold	2,821	2,048	5,793	11,314	7,689	5,096	6,704	2,952	3,813	1,472	5,853	5,312	60,867
Price ($/100 lbs)	137.07	142.23	146.85	147.97	144.01	134.68	131.15	133.29	136.63	142.39	141.32	136.68	140.52
Heifers: Railgrade													
No. Sold	2,819	2,411	1,818	2,064	1,903	1,718	1,022	1,201	2,569	697	1,412	3,003	22,637
Price ($100 lbs)	135.29	142.04	143.37	148.36	142.32	136.04	131.19	132.63	136.66	143.37	139.96	133.94	138.69

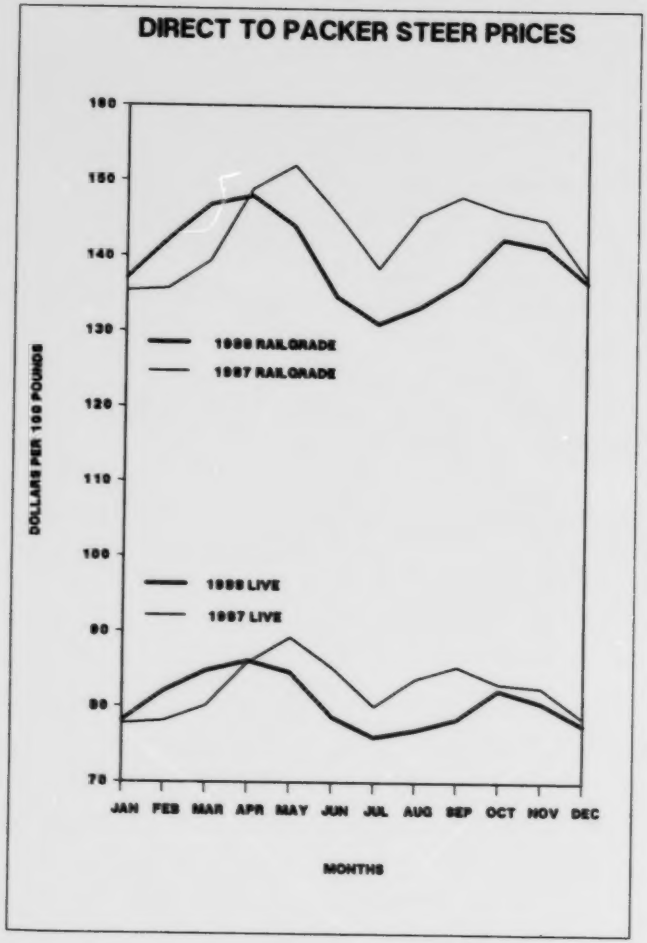


Table 33
SUPPLY AND DISPOSITION BALANCE SHEETS
JULY 1, 1987 TO JUNE 30, 1988

	Cattle & Calves	Pigs	Sheep & Lambs
	- thousands of head -		
Beginning Inventory	3,860.0	1,670.0	194.0
Births1	1,456.6	2,439.5	115.2
Interprovincial Imports2	346.5	0.0	0.0
International Imports	6.4	0.0	22.1
TOTAL SUPPLY	5,669.5	4,109.5	331.3
Interprovincial Exports2	132.6	0.0	2.0
International Exports	143.2	197.4	15.7
Inspected Slaughter3	1,195.7	1,996.3	70.8
All Other Slaughter	29.9	88.5	20.2
Deaths4	153.1	92.3	24.6
TOTAL DISPOSITION	1,654.5	2,374.5	133.3
ENDING INVENTORY5	4,015.0	1,735.0	198.0

1 For pigs, births have been adjusted for peri-natal mortality.
2 Interprovincial imports and exports of feeder animals only.
3 Animals slaughtered in federally and provincially inspected plants adjusted for interprovincial movements.
4 Deaths include on-farm mortality and condemnations at slaughter.
5 Total supply less total disposition.

Table 34
CATTLE AND CALVES ON FARMS, JULY 1

1987r

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total
					- thousands -				
1	4.6	2.5	1.3	65.0	13.0	63.5	11.7	16.9	178.5
2	6.4	15.2	6.8	92.5	14.5	92.0	58.3	95.2	380.9
3	6.3	6.1	2.5	95.0	18.8	91.0	23.4	31.3	274.4
4	6.4	1.4	0.5	100.0	19.4	93.0	11.3	14.8	246.8
5	5.5	4.2	1.4	63.0	9.7	60.0	20.0	35.2	199.0
6 & 15	9.0	7.9	4.0	114.0	21.5	112.0	27.0	32.3	327.7
7	9.0	5.1	2.0	124.5	19.8	120.0	20.7	44.2	345.3
8 & 9	9.1	18.6	7.7	145.0	25.3	144.0	36.3	53.5	439.5
10	8.5	13.7	4.7	128.5	23.3	124.0	18.7	38.6	360.0
11	7.4	31.0	13.6	105.0	25.5	108.0	18.1	32.8	341.4
12 & 16	4.3	3.9	1.3	70.0	13.1	63.0	7.6	16.1	179.3
13	7.3	10.1	4.8	132.0	23.0	126.0	15.5	30.0	348.7
14	1.2	1.3	0.6	19.5	3.8	17.0	5.6	6.6	55.6
17,18,19	5.0	4.0	1.8	71.0	16.3	66.5	5.8	12.5	182.9
Province	90.0	125.0	53.0	1,325.0	247.0	1,280.0	280.0	460.0	3,860.0

r Revised

Note: These inventory estimates are subject to revision.

1988

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total	1988 as % 1987
					- thousands -					
1	4.7	2.4	1.2	65.5	15.0	60.0	9.8	16.0	174.6	97.8
2	6.0	14.8	6.3	99.5	15.0	105.0	58.6	112.0	417.2	109.5
3	6.3	6.5	2.4	98.0	21.3	90.0	21.8	38.8	285.1	103.9
4	6.5	1.3	0.4	103.0	22.0	97.5	10.4	13.7	254.8	103.2
5	5.3	4.0	1.5	64.0	10.5	63.5	16.4	33.6	198.8	99.9
6 & 15	9.4	7.8	4.5	115.0	24.7	112.0	30.2	39.0	342.6	104.5
7	9.2	5.0	1.8	130.0	22.7	125.0	21.9	43.5	359.1	104.0
8 & 9	9.5	18.2	8.5	151.0	28.5	158.0	40.0	62.0	475.7	108.2
10	8.6	14.1	4.8	131.0	26.5	130.0	16.0	35.3	366.3	101.8
11	7.0	30.7	12.5	105.0	0.0	115.0	15.8	32.0	348.0	101.9
12 & 16	4.0	3.8	1.2	70.5	13.8	62.5	6.2	15.5	177.5	99.0
13	7.3	10.0	4.7	136.0	27.0	130.5	15.6	28.4	359.5	103.1
14	1.1	1.2	0.5	19.5	4.0	18.0	4.7	8.4	57.4	103.2
17,18,19	5.1	4.2	1.7	77.0	19.0	73.0	6.6	11.8	198.4	108.5
Province	90.0	124.0	52.0	1,365.0	280.0	1,340.0	274.0	490.0	4,015.0	104.0

Note: These inventory estimates are subject to revision.

Table 35
SLAUGHTER CATTLE AND CALF MARKETINGS

1987r

Month	Steer	Heifers	Cows	Bulls	Total Cattle	Calves	Total Cattle & Calves
			- number of head -				
Jan.	44,118	31,654	17,688	815	94,275	682	94,957
Feb.	42,528	31,295	15,359	646	89,828	452	90,280
Mar.	54,176	35,694	14,524	798	105,192	652	105,844
Apr.	44,938	28,244	11,108	735	85,025	518	85,543
May	55,993	26,375	10,462	738	93,568	472	94,040
June	64,401	32,827	16,395	1,050	114,673	578	115,251
July	55,966	26,966	10,443	898	94,273	426	94,699
Aug.	56,961	26,857	9,021	897	93,736	394	94,130
Sept.	65,995	34,038	12,435	968	113,436	729	114,165
Oct.	50,320	21,283	14,767	777	87,147	639	87,786
Nov.	50,594	28,030	16,762	753	96,139	627	96,766
Dec.	48,987	30,840	18,048	704	98,579	707	99,286
Total	634,977	354,103	167,012	9,779	1,165,871	6,876	1,172,747

r Revised

Note: These data represent cattle and calves of Alberta origin slaughtered in Alberta and other Canadian provinces.

1988

Month	Steer	Heifers	Cows	Bulls	Total Cattle	Calves	Total Cattle & Calves
			- number of head -				
Jan.	44,107	32,172	15,446	606	92,331	528	92,859
Feb.	43,816	32,383	15,325	447	91,971	460	92,431
Mar.	49,375	31,373	14,052	593	95,393	534	95,927
Apr.	54,283	29,650	13,005	879	97,817	546	98,363
May	55,324	31,292	13,284	854	100,754	507	101,261
June	74,286	35,937	15,856	1,193	127,272	574	127,846
July	60,351	28,636	9,454	1,253	99,694	405	100,099
Aug.	52,735	27,371	9,045	1,213	90,364	448	90,812
Sept.	70,589	34,897	12,008	1,650	119,144	642	119,786
Oct.	50,481	24,343	15,368	753	90,945	644	91,589
Nov.	47,468	25,683	20,867	936	94,954	533	95,487
Dec.	54,351	32,098	21,668	830	108,947	539	109,486
Total	657,166	365,835	175,378	11,207	1,209,586	6,360	1,215,946

Note: These data represent cattle and calves of Alberta origin slaughtered in Alberta and other Canadian provinces.

Table 36
AVERAGE MONTHLY CATTLE PRICES, EDMONTON

1987

Slaughter Cattle	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
Steers													
A1,2 1000 lbs+	75.22	77.84	79.02	79.23	85.28	83.57	79.71	79.16	80.78	81.00	-	-	80.82
A1,2 -1000 lbs	-	-	-	-	-	-	72.00	-	-	-	-	-	72.00
A3,4	-	75.28	-	-	-	-	-	-	-	-	-	-	75.28
B & C.	55.00	54.00	68.00	-	-	68.41	65.31	68.31	75.79	63.75	-	-	67.18
Heifers													
A1,2 850 lbs+.	72.66	73.41	74.39	76.55	81.63	80.08	76.50	80.00	78.01	76.00	-	76.00	77.31
A1,2 -850 lbs.	-	-	-	-	-	-	-	-	-	-	-	-	-
A3,4	-	68.93	-	-	-	-	-	-	-	-	-	-	68.93
B & C.	57.04	53.08	67.00	68.80	73.14	57.44	60.27	69.48	68.74	60.25	-	70.00	65.65
Cows													
D1,2	49.38	53.88	54.91	55.11	55.54	56.73	57.18	58.46	58.12	53.63	51.11	54.69	54.55
D3	44.21	48.54	49.43	46.84	50.11	50.87	50.78	53.42	54.32	48.92	45.12	48.07	49.28
D4	43.55	45.07	46.39	45.83	49.13	49.49	50.09	50.30	49.87	47.50	46.54	43.46	47.30
Bulls	60.85	62.20	67.14	70.78	68.78	73.18	71.09	69.20	70.83	68.20	68.51	70.54	69.04
Feeders													
Steers Graded													
900 lbs+ . . .	83.56	84.96	85.12	86.21	87.24	89.58	86.21	93.26	92.48	84.81	87.71	92.89	88.42
800-900 lbs. .	89.48	90.70	90.79	91.71	94.87	95.72	96.19	100.41	101.61	99.27	91.38	93.99	94.90
700-800 lbs. .	92.97	95.03	97.02	98.74	101.97	101.25	99.57	104.62	107.13	104.64	102.94	103.33	99.53
600-700 lbs. .	99.27	102.19	102.53	104.30	110.15	105.80	108.37	108.32	114.52	113.07	103.18	107.75	105.94
Off Type													
600 lbs+ . . .	73.33	75.91	79.52	79.97	81.90	80.76	86.51	87.15	91.03	76.49	79.00	70.43	82.23
Heifers Graded													
800+ lbs . . .	75.68	81.31	83.84	80.50	87.08	84.94	80.46	88.24	85.21	81.74	82.13	83.85	83.16
700-800 lbs. .	80.30	89.07	89.31	87.76	93.47	90.92	90.70	92.88	96.11	87.81	83.38	87.56	89.09
600-700 lbs. .	84.75	91.78	94.55	92.93	95.43	95.54	97.27	97.16	97.78	100.94	98.48	102.62	95.33
500-600 lbs. .	94.20	96.74	98.35	97.97	103.27	104.44	103.33	102.70	107.27	106.80	105.26	105.94	102.06
Off Type													
500 lbs+ . . .	69.72	74.66	79.01	74.85	80.00	79.16	78.39	77.70	79.78	74.16	-	80.38	77.16
Cows	50.19	51.67	56.91	52.87	56.55	54.95	55.36	62.34	61.58	59.09	56.51	56.53	55.88

1988

Slaughter Cattle	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
Steers													
A1,2 1000 lbs+	-	75.29	-	79.06	-	75.79	-	76.37	76.77	77.50	75.74	74.00	77.12
A1,2 -1000 lbs	-	-	-	-	-	-	-	-	-	-	-	-	-
A3,4	-	-	-	-	-	-	-	66.00	-	-	-	-	66.00
B & C.	-	65.00	-	-	-	-	-	-	59.44	-	65.00	-	64.23
Heifers													
A1,2 850 lbs+.	-	70.90	-	76.22	-	75.28	-	73.74	72.78	76.38	73.39	76.00	75.29
A1,2 -850 lbs.	-	-	-	-	-	-	-	-	-	-	-	-	-
A3,4	-	-	-	-	-	-	-	-	-	-	-	-	-
B & C.	-	63.00	-	-	-	-	-	63.80	65.00	71.36	63.00	65.29	67.12
Cows													
D1,2	57.21	55.65	57.00	55.88	56.04	53.09	54.49	55.42	53.91	52.67	52.36	52.32	54.77
D3,5	51.17	51.41	51.12	50.22	50.76	45.28	50.23	48.48	48.17	46.78	45.47	45.15	48.76
D4	48.09	46.43	50.11	48.10	47.73	45.40	49.00	44.56	46.80	44.20	40.73	40.08	45.63
Bulls	72.96	74.83	74.62	74.60	74.17	73.14	71.78	66.98	68.43	67.01	65.22	64.97	70.79
Feeders													
Steers Graded													
900 lbs+ . . .	90.41	91.56	86.64	87.06	85.98	85.16	82.96	84.22	84.68	84.75	84.49	85.81	85.71
800-900 lbs. .	99.39	99.20	93.18	91.32	91.68	92.30	88.60	88.01	88.80	88.54	91.13	91.89	92.01
700-800 lbs. .	107.87	102.79	99.28	99.62	96.00	97.03	97.06	98.13	94.49	95.27	96.16	97.74	99.24
600-700 lbs. .	115.23	109.49	110.03	109.61	101.60	103.65	103.40	101.71	99.45	98.22	100.43	100.17	104.52
Off Type -													
600 lbs+ . . .	82.36	86.72	75.00	76.22	-	71.87	107.20	70.00	72.39	77.60	80.19	79.97	77.74
Heifers Graded													
800 lbs+ . . .	83.75	84.08	82.85	85.70	80.06	81.60	82.09	81.86	81.67	80.95	76.11	78.99	81.11
700-800 lbs. .	89.42	89.01	93.09	90.91	84.08	85.18	87.40	86.95	85.09	83.65	83.08	86.29	87.39
600-700 lbs. .	102.98	99.50	95.91	96.41	87.54	93.29	90.12	92.91	87.40	87.97	89.90	89.91	92.70
500-600 lbs. .	109.22	106.75	102.46	99.08	91.62	93.00	97.21	92.21	93.04	92.05	95.05	98.19	96.79
Off Type -													
600 lbs+ . . .	-	80.00	74.00	75.18	-	69.40	-	71.90	69.99	72.14	71.05	70.97	72.66
Cows	64.13	55.63	60.83	54.80	69.64	57.02	60.75	55.26	60.81	55.81	54.67	54.52	56.48

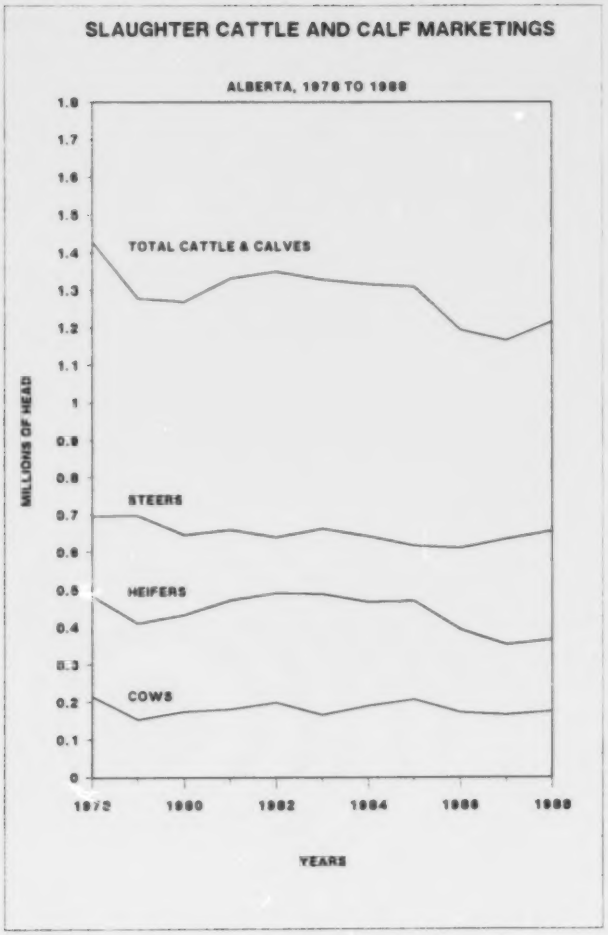
Table 37
AVERAGE MONTHLY CATTLE PRICES, CALGARY

1987

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+	76.12	74.99	77.49	83.78	87.11	83.35	77.45	82.49	84.18	82.13	81.26	80.33	81.60
A1,2 -1000 lbs	-	-	-	80.75	-	83.50	-	-	-	-	-	82.00	81.88
A3,4	73.64	72.00	73.67	82.71	84.30	80.25	-	-	80.06	81.00	79.00	-	79.91
B & C.	65.63	64.44	70.30	74.21	70.94	73.82	70.05	75.06	71.95	65.15	70.48	72.89	70.31
Heifers													
A1,2 850 lbs+.	73.75	73.51	75.13	82.38	84.46	81.70	77.04	79.68	81.82	79.93	79.56	78.50	80.00
A1,2 -850 lbs.	-	-	-	-	85.75	-	-	-	-	-	80.75	79.00	80.70
A3,4	71.49	71.00	71.14	77.00	81.83	78.00	-	76.50	72.50	79.00	76.14	78.00	74.35
B & C.	60.06	63.67	63.84	63.07	64.67	66.73	72.41	66.14	66.28	71.28	66.59	66.20	65.91
Cows													
D1,2	52.68	54.64	57.95	57.10	58.48	59.62	60.69	60.44	61.04	54.53	55.09	57.52	57.07
D3	47.44	49.94	52.48	52.46	53.89	55.27	52.99	55.25	55.22	48.95	48.23	52.95	51.58
D4	45.11	46.75	46.83	-	49.25	-	-	-	53.25	41.75	-	-	45.22
Bulls	60.87	67.90	68.23	70.23	71.80	71.63	70.65	71.25	71.73	66.74	67.51	70.02	69.20
Feeders													
Steers Graded													
900 lbs+ . . .	84.10	83.48	89.00	85.05	89.16	87.58	87.68	90.48	95.82	88.99	85.67	86.54	91.74
800-900 lbs. .	88.71	89.95	93.69	95.86	97.03	94.44	93.25	100.50	100.11	95.57	96.43	91.00	96.47
700-800 lbs. .	95.72	95.68	96.96	102.64	99.45	100.23	104.96	106.11	106.77	105.20	103.79	105.24	101.91
600-700 lbs. .	102.62	98.95	106.40	106.93	109.49	106.79	105.50	112.69	115.89	113.82	112.11	110.93	111.06
Off Type													
600 lbs+ . . .	83.93	84.32	87.16	84.52	89.19	83.54	84.32	83.69	86.87	87.53	85.87	83.15	85.73
Heifers Graded													
800 lbs+ . . .	81.59	84.11	85.16	84.95	85.40	84.85	85.20	91.29	93.11	88.56	88.27	85.09	88.75
700-800 lbs. .	86.94	90.29	91.43	91.44	90.41	88.61	91.00	96.50	97.90	91.53	93.09	94.75	94.43
600-700 lbs. .	98.35	96.10	95.73	98.81	98.72	96.39	98.63	100.01	97.98	101.88	103.63	105.37	99.42
500-600 lbs. .	100.58	100.61	103.08	103.10	105.93	99.36	103.71	103.00	114.95	107.00	104.12	105.20	105.37
Off Type													
500 lbs+ . . .	82.51	80.73	85.14	80.41	83.17	78.10	81.52	83.07	87.53	85.78	84.50	77.40	83.39
Cows	53.66	53.17	54.58	56.80	57.13	59.03	62.13	60.38	60.51	55.75	53.68	58.90	56.59

1988

Slaughter Cattle	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						- dollars per 100 pounds -							
Steers													
A1,2 1000 lbs+	76.00	78.64	81.37	82.32	81.35	79.11	76.37	76.40	77.51	80.08	-	-	79.00
A1,2 -1000 lbs	-	75.50	77.00	-	-	-	76.00	72.00	77.50	-	-	-	76.42
A3,4	73.92	74.00	76.38	78.45	80.95	72.00	71.75	71.83	74.25	76.20	-	-	75.18
B & C.	70.04	71.57	71.15	76.71	69.50	66.74	67.20	65.18	69.16	74.75	70.75	-	70.07
Heifers													
A1,2 850 lbs+.	74.59	77.96	80.86	80.88	79.21	77.94	73.41	75.61	77.19	78.78	80.06	-	77.68
A1,2 -850 lbs.	73.50	73.00	-	-	79.25	-	-	-	75.50	-	-	-	74.98
A3,4	71.90	73.67	78.00	76.64	75.97	72.50	71.50	73.10	73.21	75.58	77.50	-	74.38
B & C.	63.44	66.09	68.63	69.01	68.49	67.90	66.25	64.60	65.83	62.48	64.59	62.45	66.39
Cows													
D1,2	57.44	57.91	59.25	58.74	59.24	57.59	57.66	58.76	55.91	54.30	52.33	52.28	56.65
D3	52.79	53.37	54.35	53.28	54.45	51.94	54.31	53.37	50.55	48.71	46.26	45.63	50.95
D4	-	-	50.00	-	50.50	48.25	-	48.25	45.38	42.52	43.17	41.08	47.98
Bulls	72.88	74.64	76.01	73.17	70.02	70.26	69.54	70.09	68.84	66.37	63.60	62.83	69.57
Feeders													
Steers Graded													
900 lbs+ . . .	85.88	95.08	88.70	91.19	91.72	83.96	86.96	93.10	88.94	89.05	88.02	90.00	89.31
800-900 lbs. .	100.17	99.06	97.49	96.69	94.38	94.83	92.69	94.70	93.94	93.23	94.54	92.92	94.67
700-800 lbs. .	104.66	102.45	102.41	98.71	96.17	96.25	98.37	102.52	97.15	99.81	100.88	99.36	100.48
600-700 lbs. .	108.87	105.98	112.02	106.00	104.23	99.13	105.84	101.90	105.75	106.50	107.00	102.53	106.80
Off Type													
600 lbs+ . . .	82.66	87.66	86.72	84.67	80.61	79.60	80.13	79.74	82.94	84.40	78.49	78.38	82.12
Heifers Graded													
800 lbs+ . . .	85.82	86.50	89.82	91.74	87.61	85.85	90.97	85.50	87.02	84.91	86.40	83.91	87.30
700-800 lbs. .	96.12	95.87	96.02	93.45	90.23	93.01	92.15	87.78	90.37	90.61	92.98	88.38	91.76
600-700 lbs. .	104.22	103.09	97.80	99.05	90.97	94.81	91.65	93.44	97.37	97.38	96.69	93.91	97.78
500-600 lbs. .	109.39	107.57	104.67	107.92	103.24	90.92	93.71	98.36	101.04	98.91	100.05	98.26	101.34
Off Type													
500 lbs+ . . .	76.25	81.88	78.33	79.25	78.40	77.75	78.34	76.27	77.95	82.83	72.38	72.56	77.66
Cows	58.70	58.97	55.63	59.16	58.26	55.20	65.00	54.13	53.82	55.59	48.26	54.08	55.10


SLAUGHTER CATTLE AND CALF MARKETINGS
ALBERTA, 1978 TO 1988
MILLIONS OF HEAD
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
TOTAL CATTLE & CALVES
STEERS
HEIFERS
COWS
1978
1980
1982
1984
1986
1988
YEARS

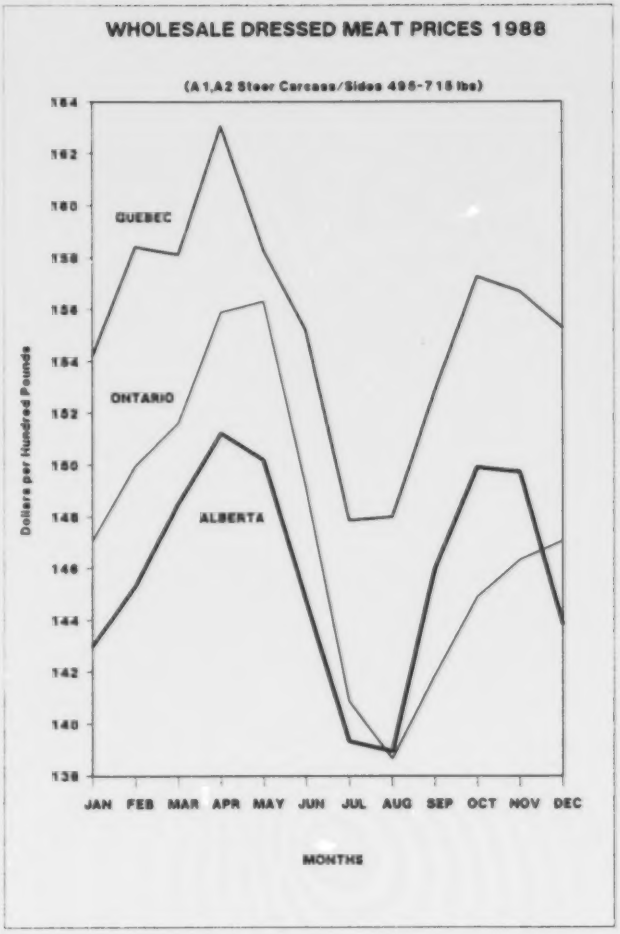

WHOLESALE DRESSED MEAT PRICES 1988
(A1,A2 Steer Carcass/Sides 496-715 lbs)
Dollars per Hundred Pounds
164
162
160
158
156
154
152
150
148
146
144
142
140
138
QUEBEC
ONTARIO
ALBERTA
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS

Table 38
AVERAGE MONTHLY CALF PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						- dollars per 100 pounds -							
						1987							
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Feeders													
Steer Calves Graded													
500-600 lbs . . .	110.83	105.95	112.23	115.87	112.99	109.00	109.25	121.93	124.53	117.94	116.25	121.24	117.03
400-500 lbs . . .	117.16	117.40	117.11	121.59	120.18	117.95	122.21	139.52	130.21	123.55	122.87	127.11	123.96
-400 lbs	119.67	119.97	127.26	120.75	121.50	118.33	129.71	143.40	139.85	136.11	129.43	126.13	135.34
Off Type -600 lbs	103.30	102.99	100.34	99.44	96.48	97.40	96.29	102.64	100.39	103.12	105.26	103.83	101.99
Heifer Calves Graded													
400-500 lbs . . .	103.66	105.96	107.21	108.99	113.68	107.42	105.96	123.44	121.96	111.58	113.68	115.08	111.95
300-400 lbs . . .	111.96	119.31	118.46	120.80	120.50	115.75	108.00	132.52	126.25	116.27	117.06	120.23	120.09
-300 lbs	128.50	-	133.00	-	-	137.00	126.33	136.11	130.84	128.40	129.29	136.83	130.73
Off Type -500 lbs	94.78	92.36	97.54	92.90	96.91	90.71	96.83	103.26	99.73	96.06	98.25	100.78	96.75
						1988							
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Feeders													
Steer Calves Graded													
500-600 lbs . . .	120.07	116.66	118.61	116.33	113.94	-	106.33	113.75	109.78	109.26	109.84	109.48	110.34
400-500 lbs . . .	128.09	126.06	126.03	120.24	126.68	112.00	129.41	116.57	117.39	113.64	114.60	112.45	115.24
-400 lbs	128.36	126.00	126.25	131.67	127.00	139.00	125.77	128.13	124.65	118.66	120.28	120.35	121.77
Off Type -600 lbs	98.00	102.28	91.72	102.90	90.83	79.03	88.33	96.04	93.58	98.28	86.96	92.29	93.08
Heifer Calves Graded													
400-500 lbs . . .	114.33	109.48	109.78	112.90	119.16	96.33	105.20	106.94	107.63	103.54	105.02	101.73	105.10
300-400 lbs . . .	122.97	117.38	115.77	123.86	116.75	100.00	111.33	111.00	115.16	107.07	109.81	104.88	109.58
-300 lbs	121.00	114.50	141.00	117.00	106.00	168.00	122.00	126.78	119.57	111.30	106.25	-	113.37
Off Type -500 lbs	102.54	102.76	95.50	99.75	89.47	81.21	71.25	90.13	89.31	84.86	80.58	77.33	86.02

Table 39
AVERAGE MONTHLY CALF PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
					1987								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . .	110.00	-	-	-	-	-	130.65	-	-	-	-	-	127.80
Feeders													
Steer Calves Graded													
500-600 lbs . . .	107.28	108.04	110.97	112.92	115.76	114.56	112.02	119.14	124.86	119.53	121.67	120.75	116.24
400-500 lbs . . .	113.08	117.42	117.39	113.07	119.08	116.85	117.32	134.83	131.54	127.40	129.24	124.86	123.8
-400 lbs	116.40	115.78	118.49	116.15	119.76	125.03	137.21	138.63	145.23	131.33	133.44	130.90	131.34
Off Type -600 lbs	81.18	80.63	102.59	100.26	81.00	90.00	93.92	97.65	102.34	89.00	77.00	85.00	94.00
Heifer Calves Graded													
400-500 lbs . . .	100.35	103.60	103.52	103.08	105.77	106.62	109.03	112.50	118.00	109.57	108.83	109.03	108.48
300-400 lbs . . .	101.56	109.42	109.87	105.87	105.99	114.72	120.00	120.21	127.27	113.77	121.72	116.40	115.98
-300 lbs	108.00	114.00	-	-	-	113.00	-	110.00	140.90	123.83	122.29	134.00	127.42
Off Type -500 lbs	75.42	88.89	-	-	-	86.01	86.78	94.51	91.60	85.00	-	-	87.32
					1988								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher . . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . .	-	-	-	-	-	-	-	-	-	-	-	-	-
Feeders													
Steer Calves Graded													
500-600 lbs . . .	126.49	121.73	120.06	116.99	106.12	107.02	107.28	107.96	103.05	104.87	104.35	108.83	109.60
400-500 lbs . . .	131.19	125.90	123.18	121.86	109.60	107.46	105.71	110.51	107.50	108.78	111.09	114.97	115.40
-400 lbs	134.87	135.19	124.27	125.11	108.39	111.35	116.87	122.31	111.86	114.38	118.20	120.03	119.13
Off Type -600 lbs	-	97.43	-	-	83.00	87.43	-	-	76.82	87.68	84.83	82.45	85.46
Heifer Calves Graded													
400-500 lbs . . .	116.93	110.43	109.49	109.61	97.37	97.99	102.99	101.19	97.37	101.84	101.86	103.19	103.79
300-400 lbs . . .	117.67	117.42	113.50	-	95.97	100.00	105.64	102.50	101.93	100.84	108.29	109.41	105.68
-300 lbs	127.00	125.20	-	-	95.85	-	-	-	117.00	106.17	-	-	111.79
Off Type -500 lbs	88.00	-	-	-	-	-	-	-	74.00	68.97	-	-	76.22

Table 40
BRAND INSPECTION RECORDS OF LIVE CATTLE AND CALF SHIPMENTS OUT-OF-PROVINCE

	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	Maritimes	U.S.A.	Other	Total
				- number -					
				1987r					
Feeders									
Bulls	321	355	30	11	0	0	91	0	808
Cows	767	395	13	394	1	0	0	0	1,570
Heifers	2,902	5,460	22	29,460	468	0	190	0	38,502
Steers	2,974	11,716	252	29,218	1,537	0	171	0	45,868
Calves	263	2,324	1	25,251	31	0	12	13	27,895
Yearlings	340	744	14	1,140	38	0	0	0	2,276
Total	7,567	20,994	332	85,474	2,075	0	464	13	116,919
Slaughter									
Bulls	5,109	3,503	475	2,192	0	0	3,983	0	15,262
Cows	5,168	13,093	519	1,923	0	0	7,072	0	27,775
Heifers	2,805	2,408	0	10,878	0	0	45,942	0	62,033
Steers	2,260	10,869	1,497	16,237	192	101	60,659	0	91,815
Calves	24	145	0	212	0	0	2	0	383
Yearlings	0	84	0	38	0	0	14	0	136
Total	15,366	30,102	2,491	31,480	192	101	117,672	0	197,404
Replacement									
Bulls	674	466	44	59	4	8	1,692	147	3,094
Cows	2,177	1,685	67	541	20	0	254	17	4,761
Heifers	1,198	1,673	64	426	50	6	519	648	4,584
Calves	605	247	15	111	5	0	107	1	1,901
Total	4,654	4,071	190	1,137	79	14	2,572	813	13,530
All Classes	27,587	55,167	3,013	118,091	2,346	115	120,708	826	327,853

r Revised

Table 40 (cont`d)
BRAND INSPECTION RECORDS OF LIVE CATTLE AND CALF SHIPMENTS OUT-OF-PROVINCE

	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	Maritimes	U.S.A.	Other	Total
				- number -					
				1988					
Feeders									
Bulls	347	318	38	14	90	0	218	0	1,025
Cows	1,169	806	44	194	0	0	4	0	2,217
Heifers	3,830	5,501	0	29,139	498	0	234	217	39,419
Steers	2,616	17,021	120	32,972	1,632	0	650	0	55,011
Calves	465	1,841	0	12,031	16	0	8	0	14,361
Yearlings	157	803	0	727	0	0	0	0	1,687
Total	8,584	26,290	202	75,077	2,236	0	1,114	217	113,720
Slaughter									
Bulls	4,677	4,430	224	905	0	0	4,469	32	14,737
Cows	6,081	12,043	1,533	979	0	0	14,723	0	35,359
Heifers	4,451	1,387	431	6,060	0	0	78,360	0	90,689
Steers	3,832	9,758	1,542	9,919	0	0	129,964	0	155,015
Calves	30	2	0	103	0	0	49	0	184
Yearlings	0	0	0	0	0	0	0	0	0
Total	19,071	27,620	3,730	17,966	0	0	227,565	32	295,984
Replacement									
Bulls	661	329	113	135	7	5	1,809	965	4,024
Cows	5,587	1,320	62	621	37	14	275	98	8,014
Heifers	2,971	991	98	786	28	13	1,005	758	6,650
Calves	2,536	466	56	354	3	5	246	110	3,776
Total	11,755	3,106	329	1,896	75	37	3,335	1,931	22,464
All Classes	39,410	57,016	4,261	94,939	2,311	37	232,014	2,180	432,168

Table 41
HOGS ON FARMS, JULY 1

Census Division	Breeding Stock 6 Months & Over		All Other Pigs		Total Pigs		
	1987r	1988	1987r	1988	1987r	1988	1988 as % 1987
	- thousands -						
1	4.6	5.2	36.3	44.5	40.9	49.7	121.5
2	22.0	24.8	176.7	210.5	198.7	235.3	118.4
3	8.4	8.8	73.5	78.9	81.9	87.7	107.1
4	3.0	3.6	22.9	28.2	25.9	31.8	122.8
5	14.8	15.9	120.1	130.9	134.9	146.8	108.8
6 & 15	10.6	11.3	84.4	96.3	95.0	107.6	113.3
7	9.2	10.1	78.8	89.8	88.0	99.9	113.5
8 & 9	31.1	35.5	261.0	290.6	292.1	326.1	111.6
10	17.9	18.7	143.2	160.8	161.1	179.5	111.4
11	16.5	18.0	124.4	150.1	140.9	168.1	119.3
12 & 16	9.2	9.4	68.1	77.6	77.3	87.0	112.5
13	16.0	16.8	132.8	150.9	148.8	167.7	112.7
14	0.9	0.9	5.0	5.2	5.9	6.1	103.4
17,18,19	7.8	8.0	55.8	58.7	63.6	66.7	104.9
Province	172.0	187.0	1,383.0	1,573.0	1,555.0	1,760.0	113.2

r Revised

Note: These inventory estimates are subject to revision.

Table 42
HOG MARKETINGS, 1988

Month	114 & 112	111 & 109	108 & 106	105 & 103	102 & 100	99-97	96-94	93-91	90-83	82	81
					-number-						
Jan.	5,463	14,349	40,994	28,861	30,939	15,647	7,550	3,429	4,467	1,985	1,533
Feb.	7,235	17,133	43,467	27,756	28,602	13,419	6,329	2,947	3,454	1,223	1,399
Mar.	9,896	22,459	51,492	33,063	34,256	16,145	7,749	3,414	3,934	1,448	1,613
Apr.	8,843	19,692	43,370	26,211	27,791	13,509	6,437	2,763	3,694	1,634	1,381
May	7,732	17,082	40,370	25,431	26,250	13,897	6,691	3,000	3,770	1,672	1,180
June	8,160	18,242	46,014	30,881	33,363	18,958	9,565	4,311	6,112	3,133	1,686
July	5,600	13,375	37,511	26,077	29,505	16,438	8,582	3,763	5,045	2,222	1,233
Aug.	3,832	9,772	28,910	21,671	24,896	14,293	7,346	3,217	4,630	2,333	1,128
Sept.	5,436	13,061	36,676	24,512	28,322	15,806	8,280	3,616	5,079	2,577	1,869
Oct.	4,030	10,166	29,467	20,595	23,918	12,328	6,605	3,012	4,234	2,146	1,675
Nov.	4,634	11,713	32,225	23,292	25,327	11,210	5,696	2,614	3,448	1,598	1,493
Dec.	4,863	12,433	36,286	24,902	27,241	12,757	6,631	3,029	3,808	1,681	1,569
Year	75,724	179,477	466,782	313,252	340,410	174,407	87,461	39,115	51,675	23,652	17,759

1988

Month	80	Emaciated	Ridglings	Sows	Stags	Boars	Total Graded	Total Ungraded	Grand Total
				- number -					
Jan.	875	0	947	1,861	168	0	159,068	1,543	160,611
Feb.	907	0	940	1,519	94	0	156,424	1,336	157,760
Mar.	1,011	0	1,171	1,835	77	3	189,566	2,595	192,161
Apr.	734	0	840	1,270	124	11	158,304	4,228	162,532
May	760	0	784	1,383	98	3	150,103	2,123	152,226
June	869	0	1,020	2,097	87	1	184,499	3,348	187,847
July	725	0	926	1,795	93	0	152,890	3,150	156,040
Aug.	519	0	713	2,113	61	7	125,441	1,198	126,639
Sept.	867	2	946	2,412	30	1	149,492	8,013	157,505
Oct.	769	1	770	1,515	35	1	121,267	1,586	122,853
Nov.	804	3	766	2,173	52	0	127,048	7,724	134,772
Dec.	1,145	1	818	1,349	47	3	138,563	4,501	143,064
Year	9,985	7	10,641	21,322	966	30	1,812,665	41,345	1,854,010

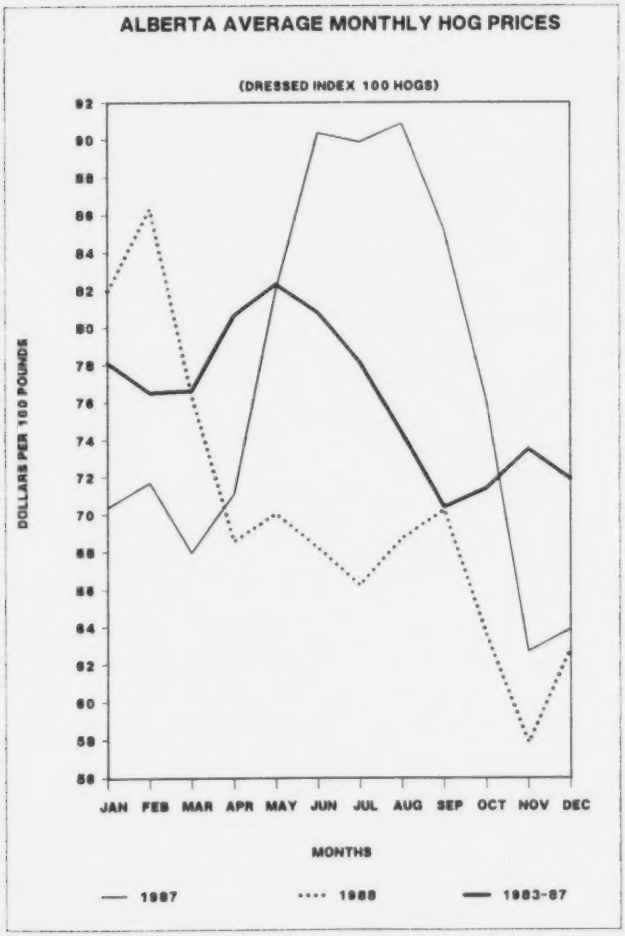
Note: These data represent hogs of Alberta origin slaughtered in Alberta and other Canadian provinces.

Table 43
ALBERTA AVERAGE MONTHLY HOG PRICES

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						- dollars per 100 pounds -							
						1987							
Index 100 Dressed*	70.40	71.76	67.99	71.12	82.00	90.40	89.90	90.90	85.28	76.11	62.73	63.91	76.43
Sows Dressed*	50.12	55.34	55.70	51.48	60.10	56.34	61.28	62.78	59.92	52.93	38.87	34.97	53.03
Sows Live**	38.78	43.36	43.32	42.73	46.90	44.32	47.08	49.17	46.49	41.73	30.71	27.22	42.28
Boars Live**	27.49	34.02	37.56	40.46	42.96	37.01	35.29	35.70	33.52	27.35	29.44	27.94	34.15
Feeders:**													
30-40 lbs	57.62	51.82	53.31	49.35	49.28	48.03	41.06	38.31	50.45	48.24	37.82	39.19	47.21
40-50 lbs	70.91	66.34	66.53	57.55	64.47	57.55	50.41	57.10	64.75	63.20	55.49	52.57	60.83
50-75 lbs	70.24	72.11	72.75	62.65	72.30	71.00	61.19	65.64	70.08	74.14	61.35	62.79	68.40
75-100 lbs	77.76	79.48	82.79	65.22	79.23	81.53	81.02	80.22	79.30	79.16	64.44	65.26	76.51
100 lbs +	76.00	92.03	80.03	86.80	86.00	89.98	84.15	91.70	89.51	83.84	78.64	74.53	83.46
						1988							
Index 100 Dressed*	59.29	62.55	60.15	58.38	64.23	68.22	60.96	56.56	54.34	49.80	47.95	48.90	57.56
Sows Dressed*	35.74	39.87	35.83	35.79	39.01	35.56	32.21	31.75	31.16	29.12	26.63	27.08	32.80
Sows Live**	26.47	30.32	28.67	27.72	28.30	28.61	33.20	23.94	24.46	22.45	20.18	19.86	25.59
Boars Live**	21.33	21.23	20.15	21.02	19.97	20.93	20.34	14.12	14.03	13.48	14.10	13.22	17.47
Feeders:**													
30-40 lbs	31.16	31.25	32.09	36.75	38.03	30.83	22.06	19.33	21.43	21.98	23.56	15.79	27.18
40-50 lbs	53.68	45.87	50.45	46.80	54.50	45.87	31.15	30.93	27.02	27.34	22.06	25.58	39.45
50-75 lbs	59.03	50.07	51.45	52.49	58.77	46.03	45.68	34.10	25.12	27.83	27.42	27.71	44.34
75-100 lbs	62.00	61.16	56.05	63.72	77.56	56.51	44.20	39.15	31.80	32.80	34.85	29.95	50.33
100 lbs +	72.00	70.00	62.22	75.05	71.95	74.90	51.82	-	51.45	61.50	43.98	46.12	57.04

*Source: Livestock Market Review, Agriculture Canada

**Source: Statistics Branch, Alberta Agriculture (from information gathered by Agriculture Canada)


ALBERTA AVERAGE MONTHLY HOG PRICES
(DRESSED INDEX 100 HOGS)
DOLLARS PER 100 POUNDS
92
90
88
86
84
82
80
78
76
74
72
70
68
66
64
62
60
58
56
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS
1987
1988
1983-87

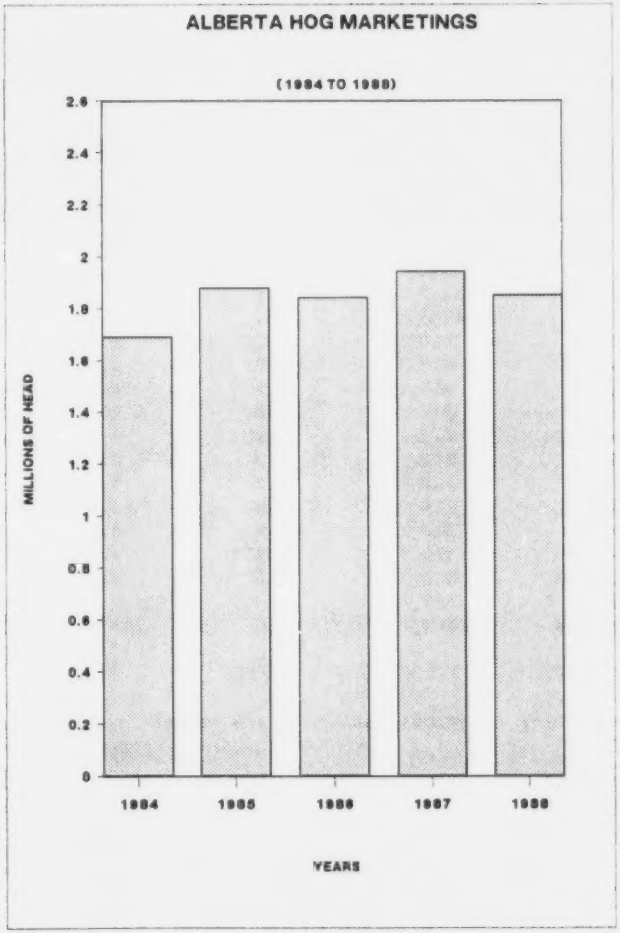

ALBERTA HOG MARKETINGS
(1984 TO 1988)
MILLIONS OF HEAD
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1984
1985
1986
1987
1988
YEARS

Table 44
SHEEP AND LAMBS ON FARMS, JULY 1

Census Division	One Year & Older		Under One Year		Total Sheep		
	1987r	1988	1987r	1988	1987r	1988	1988 as % 1987
	- thousands -						- % -
1	1.9	2.2	3.1	2.8	5.0	5.0	100.0
2	11.2	11.8	17.2	16.4	28.4	28.2	99.3
3	20.7	22.5	27.1	29.9	47.8	52.4	109.6
4	1.0	1.1	1.2	1.5	2.2	2.6	118.2
5	3.2	3.6	3.9	4.9	7.1	8.5	119.7
6 & 15	9.3	8.9	10.1	9.8	19.4	18.7	96.4
7	2.4	2.3	2.9	2.5	5.3	4.8	90.6
8 & 9	8.3	8.0	9.6	8.8	17.9	16.8	93.9
10	4.7	4.8	6.4	6.2	11.1	11.0	99.1
11	6.8	6.5	7.3	7.1	14.1	13.6	96.5
12 & 16	3.6	3.4	4.3	4.1	7.9	7.5	94.9
13	5.9	6.0	6.7	7.6	12.6	13.6	107.9
14	1.1	1.3	1.2	1.5	2.3	2.8	121.7
17,18,19	5.9	5.6	7.0	6.9	12.9	12.5	96.9
Province	86.0	88.0	108.0	110.0	194.0	198.0	102.1

r Revised

Note: These inventory estimates are subject to revision.

Table 45
SHEEP AND LAMB MARKETINGS

	1987			1988		
	Sheep	Lambs	Total	Sheep	Lambs	Total
	- number of head -			- number of head -		
January	162	2,958	3,120	196	1,808	2,004
February	35	3,981	4,016	518	2,950	3,468
March	51	4,814	4,865	566	4,702	5,268
April	110	3,079	3,189	259	2,204	2,463
May	405	4,579	4,984	374	2,225	2,599
June	287	5,110	5,397	1,413	5,501	6,914
July	265	4,292	4,557	213	5,125	5,338
August	191	5,225	5,416	153	5,696	5,849
September	353	6,850	7,203	262	6,271	6,533
October	1,525	3,477	5,002	367	5,520	5,887
November	146	4,119	4,265	335	3,888	4,223
December	190	5,232	5,422	111	5,248	5,359
Year	3,720	53,716	57,436	4,767	51,138	55,905

Note: These data represent sheep and lambs of Alberta origin slaughtered in Alberta and other Canadian provinces.

Table 46
AVERAGE MONTHLY SHEEP AND LAMB PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						- dollars per 100 pounds -							
						1987							
Lambs													
A & B 80-100 lbs	97.05	98.43	99.00	103.00	104.50	93.00	86.86	85.56	85.08	84.80	84.05	89.00	88.64
A & B -80 lbs	90.00	-	-	105.00	-	-	-	-	83.36	75.69	-	-	81.02
C 50 lbs+	80.02	84.59	-	82.50	-	-	31.03	63.00	82.69	60.00	77.29	-	71.31
Feeders all wts	128.00	121.00	117.00	121.00	110.00	108.00	100.50	99.20	106.18	100.94	112.00	106.64	104.83
Sheep													
D1,2	76.89	45.00	51.54	55.15	42.00	77.00	54.00	42.70	69.00	-	35.00	-	55.54
						1988							
Lambs													
A & B 80-100 lbs	95.83	98.50	94.00	103.50	76.98	53.00	58.14	58.18	59.99	62.40	65.89	68.00	68.32
A & B -80 lbs	-	-	-	-	77.00	-	-	-	63.50	-	-	-	70.12
C 50 lbs+	80.00	-	-	-	-	-	-	-	49.00	50.00	-	-	59.40
Feeders all wts	113.82	100.00	122.31	98.00	108.00	67.00	74.00	67.05	75.48	79.03	82.21	85.00	82.34
Sheep													
D1,2	-	-	-	33.93	35.00	25.00	41.00	-	38.67	28.00	27.50	-	33.18

HORSE INDUSTRY

Available statistics for 1988 show a continued high level of activity in Alberta's horse industry. Horsemeat exports out-of-country rose three per cent over 1987 exports, to 12 032 tonnes, with a total value of $41.5 million. This extended an upward trend that started in the early eighties. Further, international exports of live horses almost doubled from 1987 levels, rising from 834 to 1,531 head.

Alberta horse registrations during the year, by all breed associations combined, totalled 5,294 head. This represented a decrease of 11.6 per cent from 1987. However, breed by breed comparisons reveal increased registrations of Arabian, Morgan and Draft horses. The largest decrease was among Thoroughbreds whose registrations dropped almost 52 per cent to 327 head, from 684 head a year earlier. This decrease was due mostly to an administrative back-log of unprocessed registrations which resulted from a change in the location of the registration office. Estimated returns to producers from the sale of registered horses was $15.3 million, compared with $16.9 million in 1987.

The number of farms reporting pregnant mare urine activity in 1988/89 was 27, unchanged from the previous couple of years. The number of mares utilized was, however, up about 8.3 per cent to 2,869. Gross sales value of pregnant mare urine was almost $3.3 million, up significantly from year earlier value of $2.6 million.

Table 47
HORSE MEAT EXPORTS

Quantity

	1984	1985	1986	1987	1988
	- tonnes -				
Europe	4 938	4 696	7 030	7 508	8 195
Japan	1 709	2 380	3 388	4 087	3 190
U.S.A.	36	43	58	-	76
Other	-	-	-	79	571
Total	6 683	7 119	10 476	11 674	12 032

Value

	1984	1985	1986	1987	1988
	- $'000 -				
Europe	11,648	9,309	18,595	26,032	31,498
Japan	5,035	5,755	8,387	10,855	9,335
U.S.A.	18	68	62	-	87
Other	-	-	-	101	544
Total	16,701	15,132	27,044	36,988	41,464

Table 48
BRAND INSPECTION RECORD OF
LIVE ALBERTA HORSE SHIPMENTS BY DESTINATION

	1987				1988			
	Alberta	Other Provinces	Export	Total	Alberta	Other Provinces	Export	Total
	- number of head -				- number of head -			
Feeders								
Fillies	0	10	17	27	5	14	57	76
Geldings	12	779	476	1,234	20	584	663	1,267
Mares	8	346	222	576	60	259	267	586
Stallions	22	44	32	98	5	13	28	46
Colts	0	11	10	21	18	13	5	36
Total	42	1,190	757	1,956	108	883	1,020	2,011
Slaughter								
Fillies	276	5	1	282	130	11	6	147
Geldings	4,672	20	11	4,703	3,861	65	242	4,168
Mares	6,779	8	26	6,813	5,434	121	224	5,779
Stallions	1,220	1	28	1,249	1,091	13	4	1,108
Colts	265	0	0	265	226	0	0	226
Total	13,212	34	66	13,312	10,742	210	476	11,428
Replacement								
Fillies	0	10	1	11	0	0	2	2
Mares	2	34	9	45	0	12	23	35
Stallions	0	2	1	3	0	2	4	6
Colts	0	7	0	7	0	4	6	10
Total	2	53	11	66	0	18	35	53
All Classes	13,256	1,277	834	15,334	10,850	1,111	1,531	13,492

Table 49
REGISTRATIONS AND SALES OF REGISTERED HORSES IN ALBERTA

	Registrations by Breed Associations					Ownership Transfers				
	1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
	- number of head -					- number of head -				
Arabian	771	756	577	513	566	729	630	629	595	751
Appaloosa	417	364	306	365	352	430	382	330	354	252
Morgan	237	193	184	131	148	221	199	203	153	234
Quarter Horse	4,939	3,853	4,005	3,432	3,016	6,031	5,588	4,789	4,891	4,686
Standardbred	496	353	271	399	367	N/A	N/A	N/A	N/A	N/A
Thoroughbred	690	770	797	684	327	N/A	N/A	N/A	N/A	N/A
Draft	351	304	267	284	329	398	360	302	386	316
Others	234	242	269	184	189	143	131	165	148	314
Total*	8,261	7,126	6,405	5,992	5,294	7,952	7,290	6,418	6,527	6,553

N/A - Transfers not recorded by Breed Associations.

* - Transfer totals do not include Standardbreds and Thoroughbreds.

Table 50
PREGNANT MARE URINE STATISTICS

	Number of Mares	Number of Farms	Gross Revenue*
	- number -	- number -	- $'000 -
1984/85	1,800	16	1,774
1985/86	3,020	28	2,728
1986/87	2,700	27	2,637
1987/88	2,650	27	2,578
1988/89	2,869	27	3,262

* Gross farm revenue from the sale of pregnant mare urine.

Table 51
LIVESTOCK SLAUGHTERED IN FEDERALLY AND PROVINCIALLY INSPECTED PACKING PLANTS

1987

	Steers	Heifers	Cows	Bulls	Total Cattle	Calves	Hogs	Sheep & Lambs
				- number of head -				
January	43,074	31,800	16,782	444	92,100	680	135,264	4,944
February	41,571	31,354	14,381	367	87,673	452	133,016	5,476
March	54,202	35,903	13,529	407	104,041	652	167,829	5,941
April	44,548	28,290	9,948	369	83,155	516	131,572	4,804
May	56,783	26,633	9,014	336	92,766	464	131,459	5,301
June	66,003	33,096	14,582	560	114,241	575	166,144	6,331
July	57,001	26,877	9,581	453	93,912	422	134,587	5,712
August	55,737	26,757	8,119	486	91,099	394	137,078	5,989
September	65,710	33,873	11,681	482	111,746	727	176,021	7,712
October	49,882	21,615	14,122	478	86,097	628	144,706	5,459
November	49,946	28,226	16,046	433	94,651	623	146,503	5,242
December	51,596	31,762	16,260	323	99,941	706	157,068	6,981
Year	636,053	356,186	154,045	5,138	1,151,422	6,839	1,761,247	69,892

Note: These data represent livestock slaughtered in Alberta under federal and provincial inspection, irrespective of their origin.

1988

	Steers	Heifers	Cows	Bulls	Total Cattle	Calves	Hogs	Sheep & Lambs
				- number of head -				
January	45,566	33,024	14,612	285	93,487	527	147,276	5,160
February	44,627	32,290	14,052	221	91,190	457	142,717	4,794
March	51,877	32,111	12,326	311	96,625	527	174,634	8,657
April	53,796	29,724	11,416	451	95,387	546	149,226	5,134
May	55,709	31,240	11,931	506	99,386	500	137,951	5,892
June	78,040	36,585	14,600	739	129,964	574	170,775	6,988
July	62,649	30,009	8,677	837	102,172	404	143,202	5,662
August	55,772	28,512	8,685	856	93,825	447	88,471	5,904
September	73,274	36,231	11,452	1,225	122,182	640	113,280	7,915
October	52,131	25,016	14,913	413	92,473	639	91,092	6,432
November	49,780	26,841	20,375	612	97,608	528	99,706	7,027
December	56,753	34,625	20,540	372	112,290	537	105,444	6,761
Year	679,974	376,208	163,579	6,828	1,226,589	6,326	1,563,774	76,326

Note: These data represent livestock slaughtered in Alberta under federal and provincial inspection, irrespective of their origin.

Table 52
LIVESTOCK ON FARMS, JULY 1*

Year	Milk Cows & Dairy Heifers	Beef Cows & Beef Heifers	Calves	All Cattle	Hogs	Sheep and Lambs
			- thousand head -			
1968	252.0	1,479.0	1,018.0	3,341.0	1,266.0	210.0
1969	232.0	1,478.0	989.0	3,286.0	1,187.0	180.0
1970	233.0	1,600.0	1,070.0	3,493.0	1,532.0	199.0
1971	223.6	1,721.3	1,157.3	3,702.1	1,739.1	244.9
1972	210.0	1,864.0	1,225.0	3,924.0	1,490.0	256.0
1973	205.0	2,031.0	1,319.0	4,201.0	1,499.0	241.0
1974	200.0	2,219.0	1,434.0	4,595.0	1,322.0	230.0
1975	193.0	2,242.0	1,458.0	4,689.0	873.0	209.0
1976	214.0	2,168.0	1,435.0	4,675.0	879.9	183.0
1977	210.0	2,078.0	1,315.0	4,350.0	944.3	146.5
1978	209.0	1,960.0	1,239.0	4,135.0	960.0	142.5
1979	215.0	1,925.0	1,205.0	4,080.0	1,130.0	153.5
1980	224.0	1,951.0	1,290.0	4,155.0	1,251.0	178.0
1981	220.5	1,936.0	1,300.0	4,153.0	1,185.0	198.0
1982	209.0	1,941.0	1,260.0	4,080.0	1,180.0	203.0
1983	194.0	1,905.0	1,235.0	3,965.0	1,255.0	202.0
1984	190.0	1,899.0	1,255.0	3,975.0	1,470.0	188.0
1985	181.0	1,831.0	1,245.0	3,840.0	1,475.0	175.0
1986r	175.0	1,802.0	1,252.0	3,746.0	1,508.0	183.6
1987r	178.0	1,837.0	1,280.0	3,860.0	1,670.0	194.0
1988	176.0	1,919.0	1,340.0	4,015.0	1,735.0	198.0

r Revised

* Prior to 1975, estimates of livestock numbers were based on June 1 survey.

NOTE: 1. Beef heifers include heifers being raised for slaughter, and heifers for beef herd replacement.
2. 1987 and 1988 numbers are subject to revision.

Table 53
PER CAPITA CONSUMPTION OF MEATS IN CANADA

Year	Beef	Veal	Mutton & Lamb	Pork	Offals	Poultry
			- kilograms per year -			
1968	38.6	3.1	2.2	24.3	1.7	18.1
1969	38.8	2.3	2.3	23.3	1.7	20.0
1970	38.3	2.1	2.1	26.7	1.5	20.5
1971	40.2	2.0	1.5	29.5	2.0	19.7
1972	42.8	1.7	2.1	28.6	1.9	20.2
1973	42.0	1.5	1.6	26.9	1.8	20.9
1974	43.7	1.6	1.1	28.2	1.7	20.3
1975	48.5	2.4	1.3	24.1	1.7	19.0
1976	51.4	2.4	1.0	25.1	1.7	20.0
1977	48.8	2.3	0.8	25.1	1.6	20.7
1978	45.7	1.8	0.9	26.0	1.9	21.3
1979	39.9	1.4	1.1	29.0	1.4	22.8
1980	39.5	1.4	0.8	31.3	1.9	22.8
1981	40.7	1.6	0.7	30.1	1.4	22.6
1982	40.4	1.7	0.7	27.8	1.3	22.7
1983	40.0	1.7	0.8	28.6	1.4	22.9
1984r	38.3	1.8	0.9	27.9	1.5	23.7
1985	38.8	1.8	0.8	28.5	1.7	25.1
1986r	39.5	1.8	0.9	27.9	1.7	26.2
1987r	38.2	1.7	0.9	28.7	1.5	27.7
1988	38.3	1.6	0.9	29.3	1.0	28.7

r Revised

Note: Poultry consumption data prior to 1977 include geese and ducks.

DAIRY INDUSTRY

There were an estimated 128,000 dairy cows on farms in Alberta at January 1, 1989. Prior to July 1, 1979 the definition of a dairy cow was any animal over 24 months of age being kept for milk purposes. This has since been changed to include all animals which have calved at least once, irrespective of age.

Milk production during 1988-89 amounted to 608,689,000 litres, an increase of 3.26 per cent over the previous year. The estimated farm value of milk production was 284 million dollars.

Creamery butter production totalled 7.2 million kilograms and cheddar cheese 7.1 million kilograms. Fluid milk sales increased to 239.5 million litres from 218.4 million litres.

Table 54
DAIRY PRODUCER REGISTRATIONS

	Type of Producer			
	Fluid	Industrial	Cream	Total
1988	1,437	53	730	2,220
1989	1,464	0	587	2,051

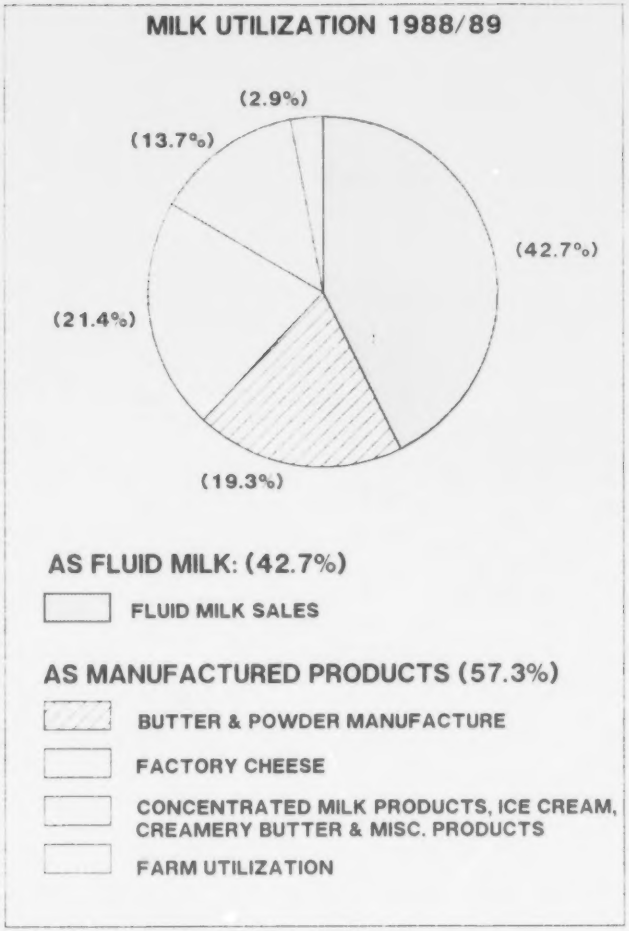


Table 55
MILK AND CREAM PRODUCTION IN KILOGRAMS OF BUTTERFAT

	Fluid Milk(1)		Industrial Milk		Industrial Cream		Total	
	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88	1986-87	1987-88
	- kilograms -							
Aug.	1 640 839	1 602 607	127 388	133 223	82 830	73 753	1 851 057	1 809 583
Sept.	1 510 481	1 507 422	117 657	119 994	77 249	62 813	1 705 387	1 690 229
Oct.	1 499 244	1 619 453	114 412	30 720	61 079	56 352	1 674 735	1 706 525
Nov.	1 458 532	1 564 352	106 732	29 837	45 121	46 062	1 610 385	1 640 251
Dec.	1 548 141	1 660 104	110 377	31 751	45 739	42 076	1 704 263	1 733 931
Jan.	1 591 585	1 695 337	114 383	30 325	43 138	39 025	1 749 106	1 764 687
Feb.	1 464 545	1 609 971	107 106	28 964	40 579	41 332	1 612 230	1 680 267
Mar.	1 644 077	1 754 210	125 161	30 688	52 827	49 563	1 822 065	1 834 461
Apr.	1 616 695	1 732 072	125 740	30 812	58 136	51 056	1 800 571	1 813 940
May	1 715 030	1 826 750	136 864	31 871	65 108	60 053	1 917 002	1 918 674
June	1 667 188	1 773 600	131 738	31 081	78 992	63 178	1 877 918	1 867 859
July	1 650 735	1 789 472	131 456	30 118	70 887	53 420	1 853 078	1 873 010
Total	19 007 098	20 135 350	1 449 014	559 384	721 685	638 683	21 177 797	21 333 417

1 Fluid milk is used for fluid milk and other uses.

Table 56
PRODUCTION AND VALUE OF FACTORY DAIRY PRODUCTS

	Year*	Quantity - '000 -	Price - $ -	Value - $'000 -
Creamery Butter (kilograms)	1987-88	7 062	5.461/kg	38,566
	1988-89	5 972	4.406/kg	26,315
Cheddar Cheese (kilograms)	1987-88	6 836	6.714/kg	45,897
	1988-89	7 141	6.566/kg	46,891
Variety Cheese (kilograms)	1987-88	5 427	5.906/kg	32,052
	1988-89	5 438	5.766/kg	28,957
Ice Cream (litres)1	1987-88	29 695	1.860/litre	55,233
	1988-89	29 425	1.850/litre	57,549
Fluid Milk Sales (litres)3	1987-88	218 474	0.800/litre	174,779
	1988-89	239 594	0.809/litre	193,832
Fluid Cream Sales (litres)	1987-88	10 146	1.570/litre	15,929
	1988-89	10 260	2.838/litre	29,120
Fluid Buttermilk, Chocolate	1987-88	38 360	0.862/litre	33,066
Milk and Eggnog (litres)3	1988-89	16 693	1.048/litre	17,494
Miscellaneous Manufactured and	1987-88			119,597
Cultured Products(2)	1988-89			118,745
Total	1987-88			515,119
	1988-89			518,903

* April 1 - March 31

1 Includes hard and soft ice cream.

2 Includes concentrated milk products, cottage cheese, whey cheese and yoghurt.

3 Skimmilk has been included in fluid milk and eggnog has been added in 1988-89.

Table 57
FARM VALUE OF MILK PRODUCTION

	Year*	Production	Milk Equivalent	Total Milk	Price	Value
		- '000 kg -	- '000 litres -	- % -	- $ -	- $'000 -
Butterfat for Creamery Butter	1987-88	684	19 542	3.32	4.610/kg	3,153
	1988-89	579	20 844	3.22	4.654/kg	2,695
Milk Purchased for the Manufacture of Powder and Butter(1)	1987-88		115 527	19.60	39.93/hl	46,130
	1988-89		117 744	19.34	40.81/hl	48,056
Milk for Cheesemaking	1987-88		119 496	20.27	39.93/hl	47,715
	1988-89		130 403	21.42	40.87/hl	53,294
Milk for Concentrating and Milk and Butterfat for Ice Cream and Miscellaneous Products(2)	1987-88		57 182	9.70	41.63/hl	23,805
	1988-89		62 562	10.28	42.65/hl	26,683
Milk Purchased for Fluid Purposes	1987-88		260 694	44.13	47.89/hl	124,571
	1988-89		260 576	42.81	50.46/hl	131,489
Skimmilk kept on Farms	1987-88		17 588	2.98	18.38/hl	3,233
	1988-89		17 821	2.93	22.19/hl	3,954
Estimated Federal Subsidy	1987-88					21,043
	1988-89					18,637
Total	1987-88		589 454			269,650
	1988-89		609 950			284,808

* April 1 - March 31

1 Includes milk used for the making of cottage cheese.

2 Does not include butterfat from creamery butter used in the manufacture of ice cream.

POULTRY AND EGGS

After reaching an all-time high in 1987, Alberta's production of poultry meats declined to 59 602 tonnes in 1988. Although this represented a year-to-year drop of around three per cent, it still was the second highest production ever. Turkey meat output rose by a marginal 0.6 per cent to a record 10 349 tonnes while the output of stewing hen and chicken meat decreased by 3.6 per cent, to 49 253 tonnes.

Production of table eggs was up just slightly to 40,658,000 dozen, from 40,439,000 dozen a year earlier. While this increase may not have been significant, it nevertheless marked the first positive change since 1983 when a record 45,079,000 dozen table eggs were produced. The number of hens kept on Alberta farms for table egg production averaged 1,964,000 per month, down about 1.9 per cent from 1987. Productivity was thus up 2.4 per cent during the year.

Annual average producer prices of chickens and turkeys were lower than year earlier levels because of depressed prices in the first half of the year that not even a significant late year rally could fully make up for. Chicken prices were down about 1.5 per cent, except the heaviest category whose average price was down approximately 2.7 per cent. The decreases in turkey prices were comparatively quite substantial, at annual average rates ranging between 2.4 and 3.2 per cent, depending on weight. Producer prices of grade A eggs were markedly higher than 1987 prices, although grade B and C eggs remained at previous year prices. In the fourth quarter, grade A (large and medium) eggs fetched producers 15 more cents per dozen than they did during the same quarter of 1987.

A total of 2,159,000 head of pullet chicks were produced in 1988 for egg production, down 3.6 per cent from 1987. As well, production of broiler-type chicks dropped, by 6.4 per cent, to 34,036,000 head. Net supply of turkey poults also decreased, by almost 8 per cent, to 1,650,000 head.

Table 58
EGG PRICES TO PRODUCERS

	Grade AL	Grade AM	Grade AS	Grade B	Grade C
	- cents per dozen -				
	1987				
January	98	89	48	60	30
February	98	89	48	60	30
March	98	89	48	60	30
April	96	87	46	60	30
May	96	87	46	60	30
June	97	88	47	60	30
July	98	87	48	60	30
August	98	87	48	60	30
September	98	87	48	60	30
October	98	87	48	60	30
November	98	87	48	60	30
December	98	87	48	60	30
	1988				
January	99	88	49	60	30
February	100	89	50	60	30
March	99	88	49	60	30
April	99	88	49	60	30
May	100	89	50	60	30
June	101	90	51	60	30
July	104	93	54	60	30
August	110	99	60	60	30
September	110	99	60	60	30
October	113	102	63	60	30
November	113	102	63	60	30
December	113	102	63	60	30

Note: Prices have been rounded to the nearest cent

Table 59
AVERAGE MONTHLY PRICES TO PRODUCERS OF LIVE CHICKENS AND TURKEYS

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						- cents per kilogram -							
						1987							
Chickens:													
Under 2.3 kg	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	110.5	107.5	105.6	111.1
2.3 and under 2.8 kg	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	101.0	98.0	96.1	101.6
2.8 and under 3.2 kg	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	127.0	123.0	120.1	127.4
3.2 kg and over	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	125.0	122.0	120.1	125.6
Turkeys:													
5.4 kg and under	157.0	157.0	157.0	157.0	157.0	153.0	153.0	153.0	153.0	151.5	147.0	147.0	153.6
5.4 and under 9.0 kg	155.0	155.0	155.0	155.0	155.0	151.0	151.0	151.0	151.0	149.5	145.0	145.0	151.6
9.0 kg and over	154.0	154.0	154.0	154.0	154.0	151.0	151.0	151.0	151.0	149.5	145.0	145.0	151.2
						1988							
Chickens:													
Under 2.3 kg	101.5	99.0	102.0	102.0	102.8	105.0	109.0	114.5	119.0	119.0	119.0	119.0	109.5
2.3 and under 2.8 kg	92.0	89.5	92.5	92.5	93.2	95.5	99.5	105.0	109.5	109.5	109.5	109.5	100.0
2.8 and under 3.2 kg	116.0	113.5	116.5	116.5	117.2	119.5	123.5	129.0	133.5	133.5	133.5	133.5	124.0
3.2 kg and over	116.0	113.5	116.5	116.5	117.2	119.5	123.5	129.0	133.5	133.5	133.5	133.5	124.0
Turkeys:													
5.4 kg and under	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	157.5	159.2	157.5	149.8
5.4 and under 9.0 kg	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	156.5	158.2	156.5	148.0
9.0 kg and over	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	149.5	151.2	149.5	146.3

Note: Prices are Alberta averages

Table 60
HATCHERY CAPACITIES

	Breeder Hatcheries	Commercial Hatcheries	Total Hatchery Capacity
		- number -	
1982	0	16	6,250,004
1983	0	15	6,587,144
1984	1	14	6,225,870
1985	1	14	6,225,870
1986	-	12	6,352,592
1987	-	12	6,352,592
1988	-	12	6,352,592

Table 61
CHICK PRODUCTION

For Egg Production Type*			For Broiler Production Type		
1987r	1988	Change	1987r	1988	Change
- number -		%	- number -		%
2,240,000	2,159,000	-3.6	36,361,000	34,036,000	-6.4

* Female chicks only
r Revised

Table 62
CHICK SUPPLY AND DISPOSITION

	Hatch-ability	Chicks Hatched(1)	International Imports	Interprovincal Imports	Total Exports	Net Supply	Residual(2)
	%			- number -			
1982	77.4	40,085,522	516,585	412,500	1,421,022	37,339,266	2,254,319
1983	75.8	37,282,000	455,681	520,524	619,598	35,568,536	2,070,071
1984	77.2	39,954,421	389,000	519,935	772,414	37,859,628	2,231,314
1985	77.7	39,644,683	468,178	378,437	827,707	37,455,660	2,207,931
1986	77.0	40,571,570	455,770	355,292	1,083,440	37,721,923	2,577,269
1987r*	76.8	44,697,000	517,000	505,323	1,389,000	41,860,323	2,470,000
1988*	76.1	42,080,000	435,000	587,526	977,000	39,731,526	2,394,000

1 Includes both Leghorn and broiler chicks.
2 The residual represents Leghorn cockerels that are destroyed
* Data has been rounded to the nearest thousand due to changes in source data.
r Revised

Table 63
TURKEY POULT SUPPLY AND DISPOSITION

	Hatch-ability	Poults Hatched	International Imports	Interprovincial Imports	Total Exports	Net Supply
	- % -		- number -			
1981	64.4	1,444,563	-	292,934	223,230	1,514,267
1982	66.2	1,330,143	43,550	310,000	134,692	1,549,001
1983	66.7	1,377,871	64,654	290,582	135,107	1,598,000
1984	69.8	1,243,654	111,177	491,152	154,674	1,691,309
1985	71.4	1,165,266	178,143	520,755	201,550	1,662,614
1986	71.2	1,083,894	26,650	694,664	202,146	1,603,062
1987r	68.7	1,046,012	22,000	882,394	163,486	1,786,920
1988*	70.9	1,020,000	33,000	779,000	182,000	1,650,000

* Data has been rounded to the nearest thousand due to changes in source data.

r Revised

Table 64
POULTRY EVISCERATED IN REGISTERED STATIONS

	Chickens		Fowl	Ducks	Geese	Turkeys			
	Under 2 kg	Over 2 kg				Under 5 kg	5-8 kg	Over 8 kg	Total*
				- '000 kg -					
1982	34 409	2 501	2 059	-	6.0	1 914	3 487	3 203	8 724
1983	33 317	2 003	1 836	0.4	7.1	1 784	3 605	3 185	8 671
1984	36 497	2 210	2 531	7.0	8.0	1 999	3 853	3 666	9 650
1985	38 047	2 340	-	-	-	2 003	4 063	3 107	9 361
1986	36 993	2 198	-	-	-	1 673	3 824	3 727	9 357
1987	39 273	2 767	-	-	-	1 713	4 272	4 469	10 620
1988	39 238	2 877	-	-	-	1 924	4 148	4 510	10 778

* Totals include mature turkeys

Table 65
PRODUCTION, DISPOSITION AND VALUE OF EGGS

1987

	Production		Disposition					
			Sold(1)					
	Number of Layers (r)	Production	For Consumption	Value	For Hatching	Value	Producer use for Consumption	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000	'000 doz.	$'000
January	2,046	3,520	3,032	2,725	373	1,041	115	104
February	2,062	3,216	2,758	2,478	353	985	105	95
March	2,060	3,535	2,940	2,616	480	1,339	115	103
April	2,057	3,444	2,870	2,524	462	1,289	112	100
May	2,048	3,605	3,060	2,646	430	1,200	115	101
June	2,013	3,419	2,887	2,557	421	1,175	111	98
July	1,992	3,469	2,978	2,652	376	1,049	115	103
August	1,974	3,427	2,918	2,616	394	1,099	115	103
September	1,949	3,195	2,717	2,447	366	1,021	112	102
October	1,935	3,245	2,741	2,448	388	1,083	116	105
November	1,935	3,131	2,646	2,354	373	1,041	112	100
December	1,941	3,233	2,735	2,426	383	1,069	115	103
Year	2,001	40,439	34,282	30,489	4,799	13,391	1,358	1,217

1 Includes exports.

r Revised

1988

	Production		Disposition					
			Sold(1)					
	Number of Layers	Production	For Consumption	Value	For Hatching	Value	Producer use for Consumption	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000	'000 doz.	$'000
January	1,943	3,292	2,834	2,566	343	957	115	105
February	1,983	3,179	2,647	2,426	423	1,180	109	101
March	2,005	3,477	2,879	2,601	482	1,345	116	107
April	2,023	3,449	2,837	2,546	500	1,395	112	101
May	2,040	3,557	3,065	2,773	377	1,052	115	105
June	2,012	3,343	2,832	2,582	399	1,113	112	103
July	2,006	3,491	3,025	2,872	350	977	116	110
August	1,986	3,520	3,019	3,030	383	1,069	118	117
September	1,927	3,331	2,866	2,911	350	977	115	117
October	1,880	3,386	2,925	3,045	341	951	120	125
November	1,868	3,281	2,808	2,906	357	996	116	122
December	1,894	3,352	2,884	2,973	348	971	120	123
Year	1,964	40,658	34,621	33,231	4,653	12,983	1,384	1,336

1 Includes exports.

Table 66
OUTPUT AND VALUE OF POULTRY MEATS

	Total Production		Consumed by Producers		Sold	
	Tonnes	Value	Tonnes	Value	Tonnes	Value
		$'000		$'000		$'000
			1987			
Stewing Hen & Chicken	51 102	76,211	811	892	50 291	75,319
Turkey	10 285	18,615	203	367	10 082	18,248
Total	61 387	94,826	1 014	1,259	60 373	93,367
			1988			
Stewing Hen & Chicken	49 253	73,233	765	839	48 488	72,394
Turkey	10 349	18,400	206	366	10 143	18,034
Total	59 602	91,633	971	1,205	58 631	90,428

APICULTURE

The number of honeybee colonies in Alberta decreased greatly in 1988 following two successive record high years in 1986 and 1987. Estimated hive numbers totalled 150,000, down 22 per cent from the 1987 estimate of 193,000. Poor returns due to low producer prices for honey and the Canada-US border closure to bee imports in the fall of 1987 were the main causes of this reduction.

Along with the decrease in hive population, the estimated number of active beekeepers shrank markedly, from 1,480 in 1987 to 1,140 in 1988, a drop of 23 per cent. Thus, average apiary size was almost unchanged, at 132 compared with 130 in 1987.

Despite record level yields, total honey production declined almost 10 per cent, or 1 134 tonnes, from the previous year's crop. Reduced hive numbers was the reason for this drop.

The producer price of honey dropped by four cents a kg from a year earlier, to 88 cents a kg, owing mostly to excessive carry over stocks during the past few years. Estimated farm value of honey and beeswax produced during the year was about $9.4 million, down about $1.5 million, or 14 per cent, from 1987.

Table 67
BEEKEEPERS AND COLONIES

	Beekeepers	Colonies	Colonies Per Apiary
		- number -	
1978	1,800	160,000	89
1979	1,700	150,000	88
1980	1,800	160,000	89
1981	1,700	170,000	100
1982	1,650	174,000	105
1983	1,610	172,000	107
1984	1,600	180,000	112
1985	1,700	170,000	100
1986	1,700	190,000	112
1987	1,480	193,000	130
1988	1,140	150,000	132

Table 68
HONEY PRODUCTION AND PRICE

	Yield Per Colony	Total Production	Price
	- kg -	- tonnes -	- $/kg -
1978	57	9 072	1.12
1979	68	10 251	1.26
1980	64	10 306	1.28
1981	62	10 478	1.42
1982	47	8 210	1.37
1983	66	11 385	1.32
1984	70	12 542	1.07
1985	49	8 392	1.24
1986	57	10 886	1.32
1987	60	11 567	0.92
1988	70	10 433	0.88

Table 69
HONEY AND BEESWAX VALUE

	Honey	Honey and Wax
	- dollars -	
1978	10,200,000	10,641,000
1979	12,882,000	13,368,000
1980	13,166,000	14,579,000
1981	14,934,000	15,339,000
1982	11,265,000	11,506,000
1983	15,029,000	15,300,000
1984	13,410,250	13,699,250
1985	10,415,500	10,664,900
1986	14,400,000	14,595,000
1987	10,710,000	10,921,200
1988	9,200,000	9,362,000

FUR FARMING INDUSTRY

Table 70
FUR FARM LICENCES ISSUED

	1986-87	1987-88
	- number -	
Mink	9	11
Mink & Other		6
Fox	36	41
Fox & Other		7
Chinchilla	27	33
Other (Lynx, Coyote, Fitch)	2	4
Total	74	102

Table 71
ANIMALS RETAINED FOR BREEDING

	Total Animals		Total Value	
	1986-87r	1987-88	1986-87r	1987-88
	- number -		- dollars -	
Mink	21,940	17,085	1,140,880	734,655
Chinchilla	n/a	n/a	n/a	n/a
Fox	2,405	2,657	416,065	315,811
Other: Lynx	n/a	66	n/a	28,585
Coyote	n/a	1	n/a	57
Fitch	n/a	1,285	n/a	15,420
Total	31	1,352	18,600	44,062
Total	24,376	21,094	1,575,545	1,094,528

r - Revised

n/a - information not available

Table 72
ANIMALS PELTED

	Mink Pelts Produced	Value of Mink Pelts Produced
	- number -	- dollars -
1980-81	33,270	1,164,450
1981-82	34,117	1,023,510
1982-83	37,119	1,113,570
1983-84	40,817	1,616,353
1984-85	28,119	1,012,284
1985-86	30,855	987,360
1986-87	31,408	1,633,216
1987-88	37,733	1,622,519

Table 73
PELTS EXPORTED

	Total Pelts		Total Value	
	1986-87	1987-88	1986-87	1987-88
	- number -		- dollars -	
Mink	31,408	37,733	1,633,216	1,622,519
Chinchilla	n/a	n/a	n/a	n/a
Fox	1,083	1,222	187,359	144,196
Fitch	n/a	32	n/a	384
Total	32,491	38,987	1,820,575	1,767,099

n/a - information not available

FOOD AND BEVERAGE INDUSTRY

Shipments of Foods and Agricultural Goods

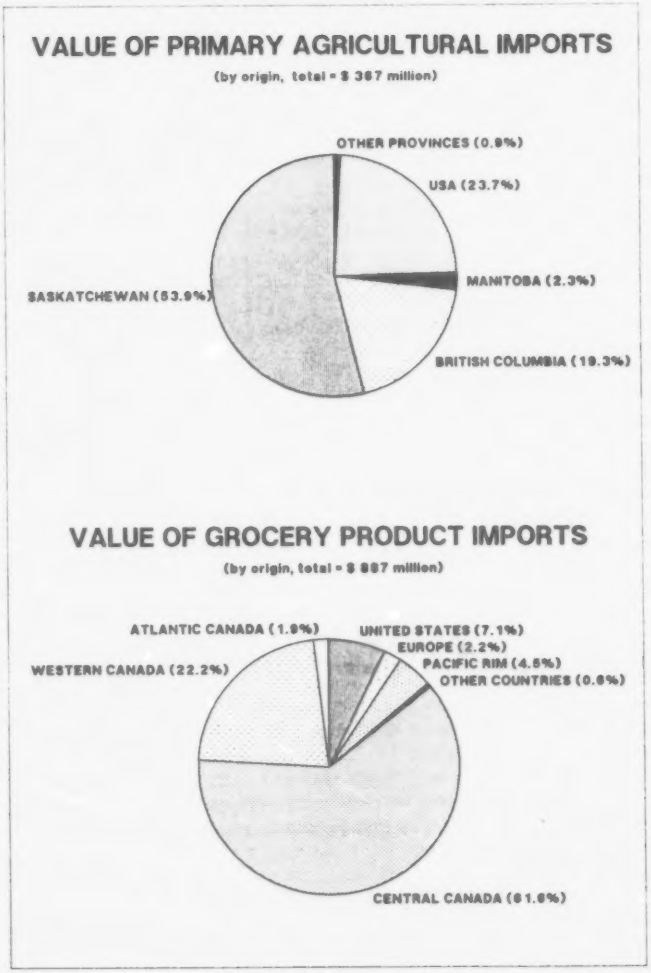
A study recently completed by the Statistics Branch documented shipments into Alberta of food and agricultural products during the calendar year 1987. Most of the information in the study came from Alberta's agricultural producers, food processors and grocery distributors. The data showed that in 1987, Alberta's imports of food and agricultural products (excluding meats) reached $1.58 billion.

Agricultural goods represented one fourth of this total. Livestock and feed-related goods made up the largest proportion of this group. Seventy-five per cent of the primary agricultural goods brought in came from other western provinces. Virtually all of the 330,000 cattle brought in came from Saskatchewan. The US Midwest supplied almost all the imported feed supplements (mainly soyameal). During 1987, Alberta imported $14.6 million worth of shell eggs, which represented 25 per cent of provincial consumption. Oilseed imports totalled $46.8 million.

In 1987, Alberta imported 262 000 tonnes of fresh fruits and vegetables worth an estimated $229 million. Fully one half of all the fresh produce imported came from California, although BC and Latin America were also important suppliers of diverse fruits and vegetables. Shipments of fresh fruits alone totalled $132 million and represented almost 60 per cent of all the fresh produce brought in. Virtually all the fruit Albertans consumed in 1987 originated outside the province.

The US provided three fourths of our imported vegetables, while Alberta-grown vegetables made up about one third of our annual consumption. Most of the potatoes and mushrooms consumed here were grown in the province. California and Mexico were our most important sources of vegetables. Lettuce, tomato and onion shipments together totalled almost $50 million and represented one half of all vegetables imported.

In 1987, shipments of alcoholic beverages into



Alberta were valued at $96.2 million. Almost one half of these were domestic in origin. The US contributed 14 per cent of the imports, and France provided 12 per cent. One third of our alcoholic beverages were drawn from the European subcontinent.

During 1987, Alberta received an estimated $887 million in shipments of refined grocery products. The largest separate categories of imports were dairy products ($118 million), canned vegetables ($56 million), coffee ($51 million), and breakfast cereals ($47 million). Shipments of products classed as cereal-based goods were valued at $125 million. Imports of non-alcoholic beverages exceeded $60 million in value. In all but the latter group, Central Canada was the principal source.

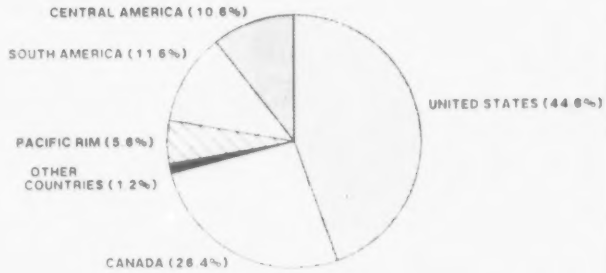
In total, more than 60 per cent of the imported grocery products came from Central Canada, where Ontario maintains a strong food processing industry. Ontario, Quebec and the Atlantic provinces produced two thirds of the goods shipped in, supplying the full spectrum of grocery products purchased by Albertans, worth nearly $560 million in 1987. About one fourth of the grocery items imported were drawn from western provinces.

Grocery products that were Canadian in origin totalled $754 million, or 85 per cent of the total imported. American goods were valued at nearly $64 million. Products from Europe represented only 2 per cent of our grocery items, while the Pacific Rim contributed an additional 4 per cent.

Overall, the values of primary and processed food products sourced from Central and Western Canada were nearly equivalent in 1987, comprising 70 per cent of our total agricultural and food imports. The data revealed however that the types of products brought from these two regions were distinctly different. Virtually all goods from Ontario and Quebec were packaged grocery items with a high degree of value added. In contrast, half of the goods from Western Canada were primary agricultural products (principally livestock) and many of the grocery products were less highly refined.

VALUE OF FRESH FRUIT IMPORTS

(by origin, total = $ 132.1 million)



VALUE OF FRESH VEGETABLE IMPORTS

(by origin, total = $ 96.8 million)

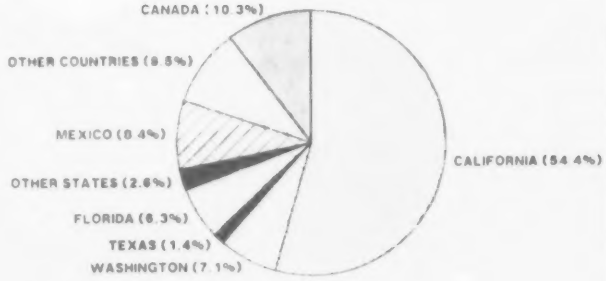


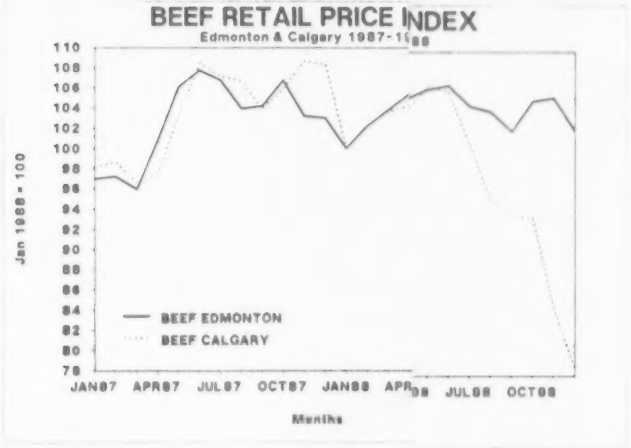
Table 74
FOOD AND BEVERAGE INDUSTRY

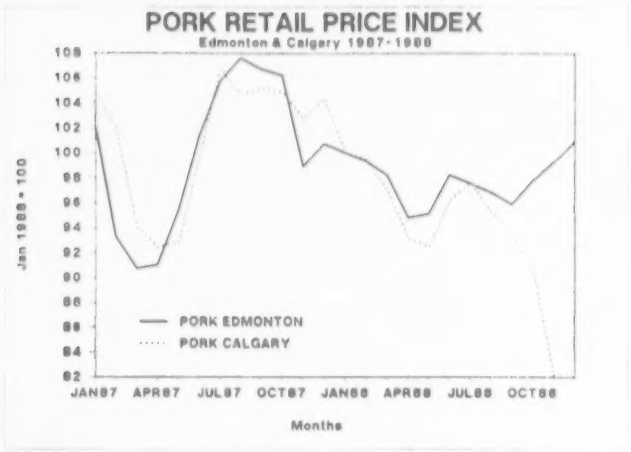
	Establishments		Value of Shipments Of Own Manufacture	
	1985	1986	1985	1986
	- number-		- $'000 -	
Meat & Meat Products (exc. poultry)	69	70	1,883,956	1,797,055
Poultry Products Industry	6	6	124,218	121,599
Fish & Fish Products Industry	1	1	*	*
Fruit & Vegetable Industries	8	7	52,739	51,558
Fluid Milk Industry	4	6	*	*
Other Dairy Products Industry	29	31	279,130	314,259
Cereal Grain Flour Industry	3	4	94,403	104,714
Prepared Flour Mixes & Cereal Foods	2	2	*	*
Feed Industry	69	67	320,671	284,604
Vegetable Oil Mills (exc. corn oil)	5	5	*	*
Biscuit Industry	3	3	*	*
Bread & Other Bakery Products	38	42	86,048	102,071
Sugar & Sugar Confectionery Industry	3	7	*	1,282
Tea & Coffee Industry	1	1	*	*
Dry Pasta Products Industry	4	6	*	*
Potato Chip, Pretzel & Popcorn	3	3	*	*
Other Food Products n.e.c. (incl. malt)	18	21	72,937	126,301
Soft Drink Industry	13	15	144,575	161,787
Distillery Products Industry	3	3	*	*
Brewery Products Industry	5	5	17,010	125,141
Wine Industry	3	2	*	*
TOTAL	290	307	3,872,286	3,768,379

	1987	1988
TOTAL	4,206,992**	4,546,945**

* Confidential

** Intercensal projections based on a sample survey. Category data is not available at this time.





RETAIL FOOD PRICE INDICES

Retail prices of over 60 food items are collected each week at representative stores for the major food chains in Edmonton and Calgary. The prices are weighted to account for estimated market share held by each chain as well as the relative importance of each item in the total food at home budget. The index base is January 1988.

Beef Retail Price Index

The retail price index of beef remained fairly steady over the two year period. Seasonally higher prices for barbecue preferred cuts are reflected in the increased beef price index during the summer months. As well, increases in the index in late fall of each year are generally the result of decreased availability of slaughter beef during this period. The beef retail price indices for Edmonton and Calgary typically follow a similar pattern. However, increased competition resulting from the introduction of a new competitor to the Calgary market late in 1988 caused the dramatic decline in the index to the end of the year.

Pork Retail Price Index

The retail price index of pork followed a very similar pattern in both Edmonton and Calgary, in 1987 and 1988 until the fall of 1988. At this time the increased competitiveness of the Calgary market due to the addition of a new competitor, caused the index to drop dramatically to the end of the year. A steady decline in the index in early 1987 was followed by a substantial increase due to lower than anticipated pork production over the first half of 1987. Increased production in the fall of 1987 exerted downward pressure on the pork retail price index to late spring of 1988. The pork index for Edmonton finished 1988 at just slightly higher than it began the year. Calgary finished the year at about 17 percentage points lower than it began due to the increased aggressiveness of the Calgary market place.

Fresh Fruit Retail Price Index

The fresh fruit retail price indices for Edmonton and Calgary were at a five year low in 1987, due to a bountiful harvest, especially of apples which are a major component of the fresh fruit retail price index. In 1988, the indices for both cities were only slightly higher than in 1987 as the apple harvest was also very good. The cyclical peaks of the indices are indicative of the pre-harvest supply shortages while the time of the cyclical depressions are an indicator of the time of harvest and the depth of the decline an indication of the harvest yields.

Fresh Vegetable Retail Price Index

The fresh vegetable retail price indices for Edmonton and Calgary continued their cyclical trends by peaking in early summer of each year as supplies of local storable fresh vegetables decline. Since potatoes are a major component of the fresh vegetable retail price index, available potato supplies often have the greatest influence on the index. This is evident in the spring of 1987 when lower supplies of domestic potatoes were offset by imported out-of-country potatoes, causing the indices for both cities to reach their highest point in the two year period. As well the reversal of the indices in the spring of 1988 between Edmonton and Calgary was due to the earlier importing of new out-of-country potatoes to Edmonton. The fresh vegetable index was also influenced by higher prices for salad vegetables due to adverse weather conditions causing the index to increase in late 1987 and early 1988.

AGRICULTURAL EXPORTS

Introduction

In the past, information related to Alberta's agricultural exports was presented in two reports; Alberta's Agricultural Exports, Commodity by Country and Alberta's Agricultural Exports, Country by Commodity. In order to provide a more wieldy reference and to reduce certain ambiguities in commodity classification, the best qualities of these publications have been combined to form a single report called Alberta's Agricultural Exports.

Sources and Methods

Out-of-province shipments includes sales to other provinces in addition to out-of-country exports. The methodology employed for estimating out-of-province shipments called for data from a number of sources.

The bulk of primary out-of-country export data was sourced from Statistics Canada, International Trade Division. This was supplemented by information from other government sources and from industry. In a number of cases adjustments of Statistics Canada data were required in order to overcome inadequacies in province of origin identification.

Out-of-Province Shipments

The value of out-of-province shipments climbed significantly in 1988 reaching $3,786 million, an increase of almost 31 per cent.

The bulk of the increase was a result of substantial growth in the value of grain and oilseed export sales. Sales of livestock also grew while meat shipments fell.

Export Overview

Alberta's exports of primary and processed agricultural products reached an estimated $2,431 million in 1988. This represents an increase of approximately $611 million or almost half of the $1,347 million expansion in Canada's agricultural exports. The most significant advances were achieved in sales of wheat, live cattle, live hogs, canola and canola oil.

Alberta's wheat exports expanded by 58 per cent, accounting for 29 per cent of Canada's agricultural export growth. The value of out-of-country shipments were estimated to be $1,068 million; 24 per cent of the Canadian total. Major gains were made in sales of milling quality varieties to traditional customers such as the People's Republic of China (PRC) and the USSR. This was especially the case with the PRC where domestic policies in recent years have motivated producers to devote a larger share of acreage to non-cereal commodities thus creating a need for imported product.

The value of Alberta's live cattle exports increased by some $115 million in 1988, reaching a record high of $222.4 million. Low feed costs in 1987 and early 1988 and the favourable economics of feeding cattle to heavier weights for shipment to the U.S. induced feeders to expand their inventories. Although many of the extra cattle were absorbed by a 7 per cent increase in Alberta's slaughter, the majority moved south.

Alberta's share of cattle export value grew from 44 per cent in 1987 to 50 per cent in 1988, as volumes grew at a faster rate than the Canadian total.

Canola exports advanced 20 per cent in 1988 to $39 million as fears of drought induced supply shortages were reflected in market prices which reached 4 year highs in June and July. The high cost of seed and a growing recognition by health conscious Americans of canola oil as a more desirable edible oil, resulted in an estimated increase in sales to the U.S. of $20.2 million.

A combination of high U.S. demand for slaughter animals and a capacity reducing labour dispute resulted in a four fold increase in hog exports to the U.S. In 1988, 436,533 head valued at $54 million were exported, as compared to 98,364 head worth $15 million in 1987.

Trading Partner and Regional Review

In 1988 Alberta's most significant export markets included the United States, Japan, the People's Republic of China, the USSR, Iraq and Taiwan. These countries purchased 75 per cent of Alberta's agricultural exports.

Asia as a whole purchased $1,119 million worth of agricultural products, accounting for 46 per cent of the total value of exports. The U.S. and other North American countries were second in terms of their value of purchases, accounting for 25 per cent of the total. Following Asia and North America were Eastern Europe (10 per cent of exports), the EEC (6 per cent) and the Middle East and South-Central America both at approximately 5.5 per cent.

United States

The U.S. was Alberta's biggest export customer in 1988, purchasing in excess of $596 million worth of agricultural products. This represented an increase of approximately 36 per cent over 1987. Growth in sales of live cattle and hogs accounted for much of the improvement.

The favourable economics of feeding cattle suitable for export the U.S. contributed to an increase in volume of 114,437 head. The total value of exports exceeded $218 million, representing a gain of approximately $113 million.

Labour problems, which reduced slaughter capacity in Alberta in 1988, led to a substantial increase in live hog movement to the U.S. Numbers grew from 98,262 head in 1987 to 436,232 head in 1988. The value of exports advanced more than $38 million. However, the reduced capacity also contributed to a fall in pork exports of approximately $28 million.

Other products which displayed notably improved export performance to the U.S. were oats and canola oil. These commodities have enjoyed growing acceptability in the U.S. due to their high quality and health attributes.

Asia

Alberta's exports of agricultural products to Asia increased markedly in 1988, advancing by $392 million. Sales were bolstered by strong wheat and canola prices and moderate gains in the volume of wheat shipments.

Japan

Japanese agricultural imports from Alberta were estimated to be over $471 million. This represents an annual increase of $117 million or 33 per cent.

With a value of $205 million, canola seed purchases by Japan accounted for 44 per cent of total imports from Alberta. While this value represents an increase of $59

million, volumes fell by approximately 13 000 tonnes. This reflects the overall strength of global oilseed prices in 1988.

Strong demand for feed stuffs in Japan led to good growth in their imports of Alberta barley and dehydrated alfalfa. The value of barley rose by $19 million to $50 million while dehydrated alfalfa shipments grew by $11 million.

The recent beef and citrus agreement between the U.S. and Japan should provide new opportunities for marketing Alberta beef as a result of less restrictive quotas.

People's Republic of China

Chinese policies in recent years have motivated producers to devote more acreage to freely priced open market commodities. The result has been a greater reliance on outside sources for cereal crops.

China's purchases of wheat from Alberta increased by 575,391 tonnes in 1988. This, combined with substantial price advances, led to an increase in the value of wheat imported by China of $284 million.

Other Asia

Other Asian countries which had notable changes in their imports of Alberta agricultural products in 1988 included India, Indonesia and South Korea.

The value of Indian imports of canola oil increased from $15 million in 1987 to $33 million in 1988. Volumes grew to 76,993 tonnes from 39,156 tonnes.

Indonesian imports of wheat climbed from $5 million to $14.5 million based on moderate volume increases and strong price gains. Purchases of wheat by South Korea on the other hand fell dramatically from $33 million in 1987 to $1.1 million in 1988.

Eastern Europe

Exports to Eastern Europe totalled $231 million in 1988, an increase of 24 per cent over 1987. This was due mainly to substantial gains in the value of wheat shipments.

USSR

The value of Alberta's wheat exports to the USSR grew by $86 million to $220 million, bolstered by strong prices and moderate growth in volumes.

EEC

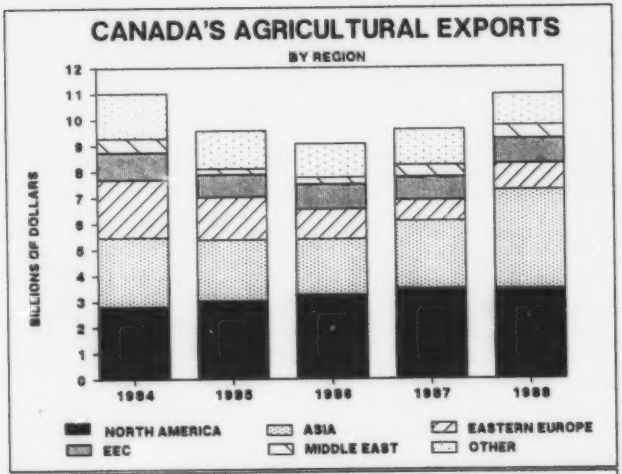
Shipments to countries of the European Community increased by $25 million in 1988, reaching $145 million. Improvements were evident in exports of wheat to the United Kingdom and Italy, and sales of horsemeat, barley and dried peas to Italy, West Germany and Belgium/ Luxembourg.

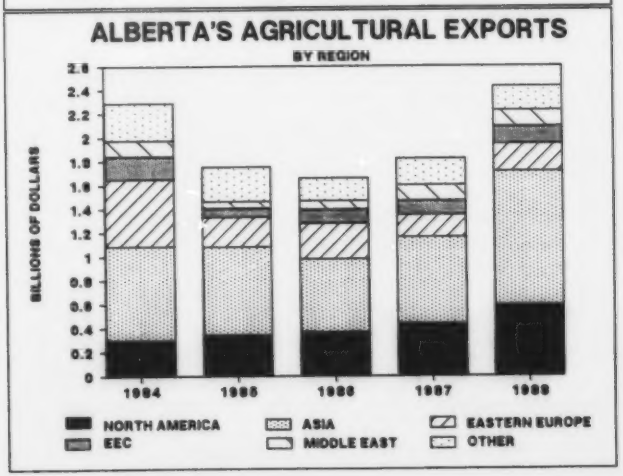
Middle East

While the value of wheat exports to countries such as Iran and Iraq had strong gains in 1988, the value of barley sales to Saudi Arabia fell significantly due to relatively limited Alberta supplies. The overall result was a marginal increase in Alberta's agricultural exports to the Middle East of $6 million.

Latin America

Agricultural exports to the countries of Latin America fell by $25 million in 1988. This was due for the most part to a dramatic decline in wheat exports to Brazil. Sales in 1988 were $0.3 million as compared to $30 million in 1987. This was a result of agreements arranged between Brazil and Argentina which were designed to increase their bilateral trade.





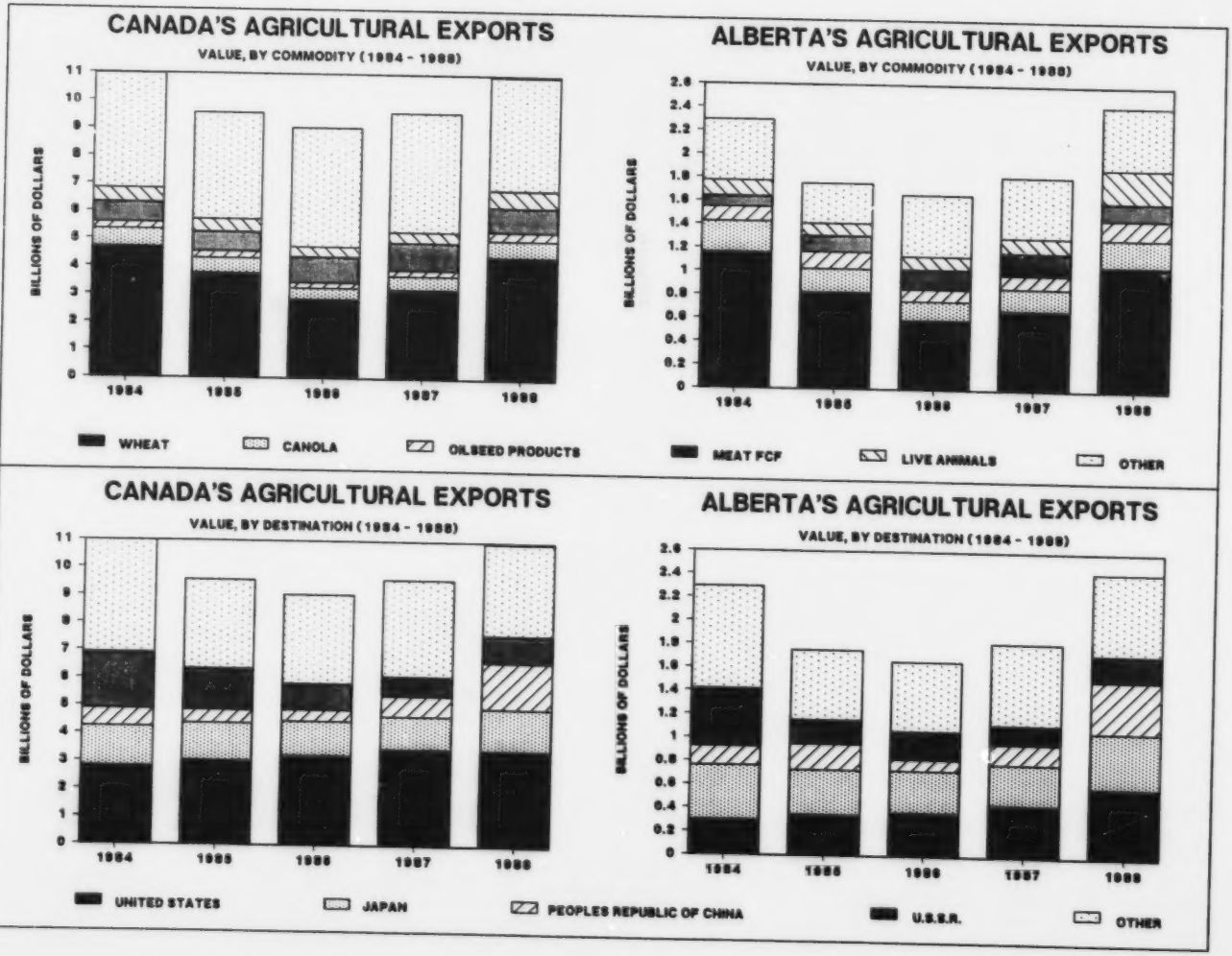

CANADA'S AGRICULTURAL EXPORTS
VALUE, BY COMMODITY (1984 - 1988)
BILLIONS OF DOLLARS
WHEAT
CANOLA
OILSEED PRODUCTS
ALBERTA'S AGRICULTURAL EXPORTS
VALUE, BY COMMODITY (1984 - 1988)
BILLIONS OF DOLLARS
MEAT FCF
LIVE ANIMALS
OTHER
CANADA'S AGRICULTURAL EXPORTS
VALUE, BY DESTINATION (1984 - 1988)
BILLIONS OF DOLLARS
UNITED STATES
JAPAN
PEOPLES REPUBLIC OF CHINA
ALBERTA'S AGRICULTURAL EXPORTS
VALUE, BY DESTINATION (1984 - 1988)
BILLIONS OF DOLLARS
U.S.S.R.
OTHER

Table 75
EXPORT ESTIMATES - ALL COUNTRIES

	Alberta		Western Canada		Canada	
	1987r	1988	1987r	1988	1987r	1988
	- thousands of dollars -					
Live Animals	127,298	281,772	225,013	447,816	367,747	610,654
Meat, Fresh, Chilled or Frozen	190,577	145,900	366,695	300,577	1,006,342	882,664
Other Meat and Meat Preparations	14,289	14,549	37,056	37,477	73,286	77,827
Dairy Produce, Eggs and Honey	3,962	3,979	26,666	19,709	185,517	227,586
Barley	195,329	143,602	448,208	282,708	448,208	282,708
Wheat	677,025	1,068,110	3,172,211	4,438,071	3,223,958	4,439,492
Other Cereals, Unmilled	27,094	38,817	76,304	88,284	109,534	129,069
Hard Spring Wheat Flour	10,121	4,033	14,181	11,136	54,246	50,408
Other Cereals, Milled	24,555	28,906	42,529	53,590	67,209	103,115
Cereal Preparations	2,068	3,408	10,470	15,360	191,638	202,973
Fruit, Vegetables and Preparations	22,716	33,078	230,909	235,607	577,132	601,215
Sugar and Sugar Preparations	327	109	5,437	6,145	222,710	154,868
Other Foods and Materials for Foods	1,619	2,536	13,887	17,227	313,134	218,669
Oilseed Cake and Meal	56,485	78,182	71,194	100,440	86,736	116,553
Dehydrated Alfalfa	19,578	32,726	49,200	50,348	50,190	53,361
Other Feeds of Vegetable Origin	2,097	8,347	30,289	45,058	75,692	87,614
Other Fodder and Feeds	4,904	8,736	53,679	53,262	111,670	134,146
Whiskey	22,222	16,746	38,940	26,931	338,090	272,823
Other Beverages	3,197	4,018	21,662	29,000	234,342	256,604
Tobacco	285	13	4,256	370	140,078	103,056
Raw Hides and Skins	85,333	101,976	130,077	150,552	239,684	261,145
Fur Skins Undressed	784	299	13,414	11,481	185,522	141,218
Other Crude Animal Products	2,815	5,974	7,225	11,098	62,644	59,832
Seeds for Sowing	27,233	20,177	62,975	46,668	76,086	59,601
Flaxseed	5,275	8,338	147,357	166,757	147,357	168,460
Canola	192,444	230,629	490,554	606,919	490,554	607,398
Other Oilseeds, Oil Nuts and Oil Kernels	8,863	10,406	38,205	47,547	99,639	123,694
Other Crude Vegetable Products	13,894	11,827	34,590	22,827	196,982	214,774
Oils, Fats, Waxes, Extracts and Derivatives	77,995	123,431	145,815	232,554	227,044	308,335
TOTAL	1,820,387	2,430,625	6,008,998	7,555,519	9,602,968	10,949,861

r - Revised

TABLE 76
ESTIMATES OF OUT-OF-PROVINCE SHIPMENTS

Commodity	Quantity		Value	
	1987r	1988	1987r	1988
	- '000 tonnes -		- $'000 -	
Wheat	5 700	5 662	677,136	1,163,882
Oats	237	420	22,863	57,042
Barley	3 421	2 733	195,455	254,702
Rye	43	51	4,171	6,078
Flaxseed	26	24	5,273	8,338
Canola	848	903	203,229	303,265
Mustard Seed	29	29	8,438	7,942
Forage Seeds	16	20	32,763	22,829
Potatoes	10	7	2,195	1,243
Alfalfa, dehydrated	114	244	19,578	32,726
Honey	9	8	11,156	8,147
Wheat Flour	104	77	37,963	30,193
Malt and Malt Flour	88	105	24,548	38,299
Canola Oil Cake and Meal	350	423	57,270	91,593
Canola Oil	317	240	128,923	122,721
Other Crops and Crop Products	1088	1470	33,522	54,115
Beef and Veal	235	265	686,618	737,265
Pork	73	34	163,676	74,194
Other Meats	16	17	51,924	56,494
Other Animal Products	n/a	n/a	179,568	221,379
Cattle (Number)	318 339	427 079	234,478	370,673
Swine (Number)	261 373	679 483	41,182	83,183
Other Live Animals	n/a	n/a	7,191	5,498
Peat Moss	54	81	13,500	13,413
Whiskey	n/a	n/a	22,223	16,746
Beer and Other Beverages	n/a	n/a	3,197	4,018
TOTAL			2,868,040	3,785,978

r - Revised

n/a - not available

CENSUS AND COMPARATIVE DATA

Table 77
CENSUS DATA

		1971	1976*	1981*	1986*
Total Population	no.	1,627,874	1,838,037	2,237,724	2,375,278
Farm Population	no.	237,924	219,302	195,284	183,830
Number of Farms	no.	62,702	61,130	58,056	57,777
Average Size of Farm	ac.	790	817	813	883
Average Value of Agricultural Products Sold per Farm	$	13,273	n/a	56,236	77,433
Farm Classification:					
Under 10 Acres	%	1.4	1.2	1.5	1.8
10 - 69 Acres	%	4.0	5.8	5.8	5.8
70 - 239 Acres	%	16.9	18.9	21.4	21.8
240 - 399 Acres	%	20.1	17.8	16.2	15.1
400 - 559 Acres	%	14.6	13.0	11.8	10.8
560 - 759 Acres	%	13.1	11.9	11.0	10.6
760 - 1,119 Acres	%	13.5	13.4	13.1	12.7
1,120 - 1,599 Acres	%	7.7	8.2	8.6	8.9
1,600 - 2,239 Acres	%	4.0	4.3	4.9	5.4
2,240 - 2,879 Acres	%	1.7	2.0	2.1	2.6
2,880 Acres and Over	%	3.0	3.5	3.6	4.4
Farm Operated by:					
Owner	%	59.3	60.4	58.3	52.4
Tenant	%	6.7	6.3	6.3	7.0
Owner-Tenant	%	34.9	33.3	35.5	40.6

		1971	1976*	1981*	1986*
Age of Farm Operators:					
Under 25 Years	%	2.5	3.6	3.5	2.6
25 - 34 Years	%	14.2	16.3	17.9	17.1
35 - 44 Years	%	24.1	24.0	23.5	22.9
45 - 54 Years	%	28.6	27.1	26.0	24.1
55 - 59 Years	%	11.5	11.3	11.3	11.8
60 - 64 Years	%	9.1	8.5	8.7	9.8
65 - 69 Years	%	5.8	5.0	5.2	6.1
70 Years and Over	%	4.2	4.2	3.9	5.6
Average Age of Farm Operator	yrs.	49	47	46	48
Occupied Farm Land	'000 ac.	49,506	49,929	47,218	51,040
Improved Farm Land	'000 ac.	28,460	29,302	30,951	31,892
Field Crops	'000 ac.	18,092	18,877	20,859	22,641
Wheat Total	'000 ac.	3,443	5,545	6,705	7,602
(Durum)	'000 ac.	(242)	(n/a)	(506)	(639)
Oats for Grain	'000 ac.	1,864	1,794	1,311	1,183
Barley for Grain	'000 ac.	5,689	5,630	6,433	5,568
Mixed Grain	'000 ac.	419	268	145	122
Fall Rye	'000 ac.	226	)	241	169
Spring Rye	'000 ac.	24	) 181	52	45
Flaxseed	'000 ac.	271	73	102	85
Canola/Rapeseed	'000 ac.	1,988	740	1,455	2,803
Tame Hay	'000 ac.	3,260	3,850	3,481	3,734
Sugar Beets	'000 ac.	43	42	36	30
Improved Pasture	'000 ac.	2,745	3,278	3,908	3,402
Summerfallow	'000 ac.	7,009	6,494	5,450	5,256
Other Improved Land	'000 ac.	614	653	734	592
Unimproved Land	'000 ac.	21,046	20,627	16,267	19,149

		1971	1976*	1981*	1986*
Livestock and Poultry:					
Cattle and Calves	'000 head	3,702	4,614	4,193	3,827
Pigs	'000 head	1,816	878	1,199	1,455
Sheep	'000 head	245	189	201	179
Horses	'000 head	89	90	119	135
Hens and Chickens	'000 head	7,923	7,981	9,190	8,852
Turkeys	'000 head	896	822	903	763
Farm Machinery:					
Tractors	no.	111,256	118,987	124,214	150,479
Grain Combines	no.	42,373	42,984	42,663	42,970
Swathers	no.	40,749	44,227	47,601	49,144
Motor Trucks	no.	93,471	112,836	123,835	146,309
Farm Capital:					
Land and Building	$'000	3,530,252	10,627,528	29,961,159	20,773,520
Machinery and Equipment	$'000	867,446	2,110,053	4,362,215	5,382,302
Livestock and Poultry	$'000	803,855	1,124,065	2,503,766	2,467,592
Total Capital Value	$'000	5,201,553	13,861,646	36,827,140	28,623,414
Average Per Farm	$'000	83	227	634	495

* The 1976, 1981 and 1986 census-farm definition differs from that used in previous censuses. To help users relate to previous censuses, the data in this report represents ''all agricultural holdings''.

n/a - not available

Table 78
COMPARATIVE STATISTICS

		Alberta	Alberta as Per Cent of: Prairie Provinces	Canada
		CENSUS STATISTICS 1986		
Total Population	no.	2,375,278	53.3	9.4
Number of Farms	no.	57,777	38.9	19.7
Total Land Area	ac.	157,710,720	36.3	6.9
Occupied Farm Land	ac.	51,040,463	37.6	30.5
Per Cent of Total Land Occupied	%	32.4	-	-
Improved Land	ac.	31,891,516	33.7	28.1
Unimproved Land	ac.	19,148,947	46.6	35.5
		CROP AREA 1988		
Winter Wheat	ac.	350,000	61.4	27.7
Spring Wheat	ac.	5,750,000	23.3	23.0
Durum Wheat	ac.	900,000	15.9	15.9
All Wheat.	ac.	7,000,000	22.6	21.9
Oats for Grain	ac.	1,450,000	54.7	42.8
Barley for Grain	ac.	4,700,000	51.6	46.0
All Rye	ac.	160,000	29.1	26.0
Mixed Grains	ac.	175,000	55.6	18.3
Flaxseed	ac.	50,000	3.7	3.7
Canola/Rapeseed	ac.	3,500,000	39.5	38.8
Corn for Grain*	ac.	9,300	10.4	0.4
Peas,dry*	ac.	116,200	16.1	16.1
Lentils*	ac.	6,000	1.7	1.7
Mustard Seed*	ac.	70,000	16.9	16.9
Tame Hay	ac.	4,650,000	56.0	31.7
Fodder Corn*	ac.	19,000	43.2	3.2
Sugar Beets	ac.	28,100	55.9	55.9
Potatoes	ac.	23,600	34.1	8.7
Summerfallow	ac.	5,350,000	24.7	24.4

* Source: Alberta Agriculture Specialty Crop Historical Series.
These estimates are on a field run basis and have not been adjusted for dockage.

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
		LIVESTOCK ON FARMS, JULY 1, 1988		
Bulls	no.	90,000	57.1	39.3
Milk Cows and Heifers	no.	176,000	51.1	8.4
Beef Cows and Heifers	no.	1,645,000	53.7	40.7
Heifers for Slaughter	no.	274,000	68.0	39.4
Steers	no.	490,000	61.6	38.1
Calves	no.	1,340,000	54.1	36.2
Total Cattle and Calves	no.	4,015,000	55.5	33.3
Hogs - Breeding Stock 6 Months and Over	no.	187,000	45.3	16.2
All Other Pigs	no.	1,548,000	46.0	16.0
Total Hogs	no.	1,735,000	45.9	16.0
Sheep One Year and Over	no.	88,000	70.3	24.1
Lambs Under One Year	no.	110,000	75.4	33.3
Total Sheep and Lambs	no.	198,000	73.1	28.4

Table 79
CANADIAN - METRIC CONVERSIONS

AREA		
1 hectare	2.47109	acres
	0.00368	square mile
1 square kilometre	0.36810	square mile
1 acre	0.40468	hectare
1 square mile -	259	hectares
(640 acres)	2.59	square kilometres
1 arpent	0.871	acre
WEIGHT		
1 kilogram	2.2046	pounds
1 tonne (1 000 kg)	2204.622	pounds
	22.046	short hundred-weights
	19.684	long hundred-weights
	1.10231	short tons
	0.98420	long ton
1 pound	0.45359	kilogram
1 short hundredweight (100 lb.)	0.045359	tonne
1 long hundredweight (112 lb.)	0.050802	tonne
1 short ton (2,000 lb.)	0.90718	tonne
1 long ton (2,240 lb.)	1.01605	tonne

Table 80
WEIGHT EQUIVALENTS OF SELECTED COMMODITIES

Wheat		
1 bushel	0.027216	tonne
1 tonne	36.744	bushels
Oats		
1 bushel	0.015422	tonne
1 tonne	64.842	bushels
Barley		
1 bushel	0.021773	tonne
1 tonne	45.930	bushels
Rye, Flaxseed and Corn		
1 bushel	0.0254	tonne
1 tonne	39.368	bushels
Canola/Rapeseed		
1 bushel	0.02268	tonne
1 tonne	44.092	bushels
Mixed Grain		
1 bushel	0.020412	tonne
1 tonne	48.992	bushels

SOURCES AND METHODS

The general procedure used in preparing this yearbook has remained similar since 1972. A large percentage of the material presented for the current year was based on estimates derived from sample data. Users are reminded that the data is subject to revision.

INCOME

Various people within Alberta Agriculture, Statistics Canada, Agriculture Canada and Industry have been valuable as sources for the estimation of Farm Cash Receipts and Expenses.

Total production value includes all crops grown on farms in the current year for sale, feed, seed and home consumption at the prevailing market prices during the crop year. The method of disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. Production value for each crop represents value to the producer.

Prices used to calculate value of production are those which farmers receive at the shipping point less freight, handling and other marketing charges. Transportation costs incurred by farmers themselves in delivering grain to elevators are included with farm expenses. The estimated final prices are subject to revision after all relevant sales and payments are made.

The Alberta Input Monitoring System (AIMS), under the auspices of Alberta Agriculture has been used as a source for input data. Further information regarding AIMS or any of the other data is available through the Statistics Branch of Alberta Agriculture.

CROPS

Major crop areas are estimated by Statistics Canada in cooperation with Alberta Agriculture. Estimates are for seeded acres in most cases, and yields are reported on the land devoted to the crop at seeding time except for oats and barley which are based on harvested area. Statistics Canada, Agriculture/Natural Resources Division develops yield estimates of major crops through surveys. The November estimates (Statistics Canada 22-002) contain the latest area and yield estimates.

The area for minor crops, except sugar beets, have been estimated through the Alberta Agriculture Specialty Crop Survey. These values are on a field run basis and have not been adjusted for dockage. Sugar beet data were obtained from the Alberta Sugar Beet Growers Marketing Board and Alberta Agriculture.

Forage Seed data are from the Plant Production Division, Agriculture Canada and Processed Alfalfa data figures are from a market survey conducted by Alberta Agriculture, Market Analysis Branch.

Hail and Crop Insurance data were obtained from Alberta Hail and Crop Insurance Corporation. Wheat Board Payments are reported by the Canadian Wheat Board. Lakehead selling prices are recorded by Statistics Canada. Non-Board prices for the major centres in the province are those developed through the Alberta Feed and Forage exchange.

Data for the Supply and Disposition and Farm Stocks of Alberta grains are supplied by Statistics Canada.

Fertilizer sales volumes were provided by the Canadian Fertilizer Institute Association and the Soils Branch of Alberta Agriculture.

Precipitation information is provided by Environment Canada.

Irrigation data are provided by the Irrigation Branch of Alberta Agriculture.

Seed cleaning information is provided by the Association of Alberta Co-Op Seed Plants Ltd.

LIVESTOCK

Market and other data for cattle, hogs and sheep are obtained from the Agriculture Canada publication ''Canadian Livestock and Meat Trade Report'' and Statistics Canada. Prices pertain to stockyard sales and direct sales.

Data on brand inspection, horse regulation and dairy were obtained from Animal Industry Division, Alberta Agriculture.

Monthly Poultry prices are from the Poultry Market Report by Agriculture Canada. Production values were obtained from Statistics Canada, publication 23-202. Data on hatchery capacity, chick production and poultry eviscerated in registered stations were supplied by the Poultry Branch, Alberta Agriculture. Chick disposition and poult production information was obtained from the Agriculture Canada Publication ''Poultry Market Review''.

OTHER PRODUCTS

Alberta Agriculture in cooperation with Statistics Canada produce honey estimates.

Fur farm information is obtained from the Animal Health Division.

FOODS

Food and Beverage Industry Statistics were obtained from Statistics Canada Publications 32-203 and 31-001. The Consumer Price Index (CPI) was used in constant dollar calculations.

The Retain food price indices were developed from data collected and assembled by Alberta Agriculture. Further information is available through Statistics Branch, Alberta Agriculture.

EXPORTS

Out-of-province shipments, as used in this yearbook, includes shipments to other provinces as well as out-of-country exports. The primary sources of data for out-of country exports were Statistics Canada Catalogues 65-003 (Exports by Countries) and 65-004 (Exports by Commodities) supplemented with provincial level information from the Alberta Bureau of Statistics and other Statistics Canada publications. In addition, the information necessary to adjust Statistics Canada data to estimated Alberta exports was gathered from many sources within Alberta Agriculture, other government departments and industry.